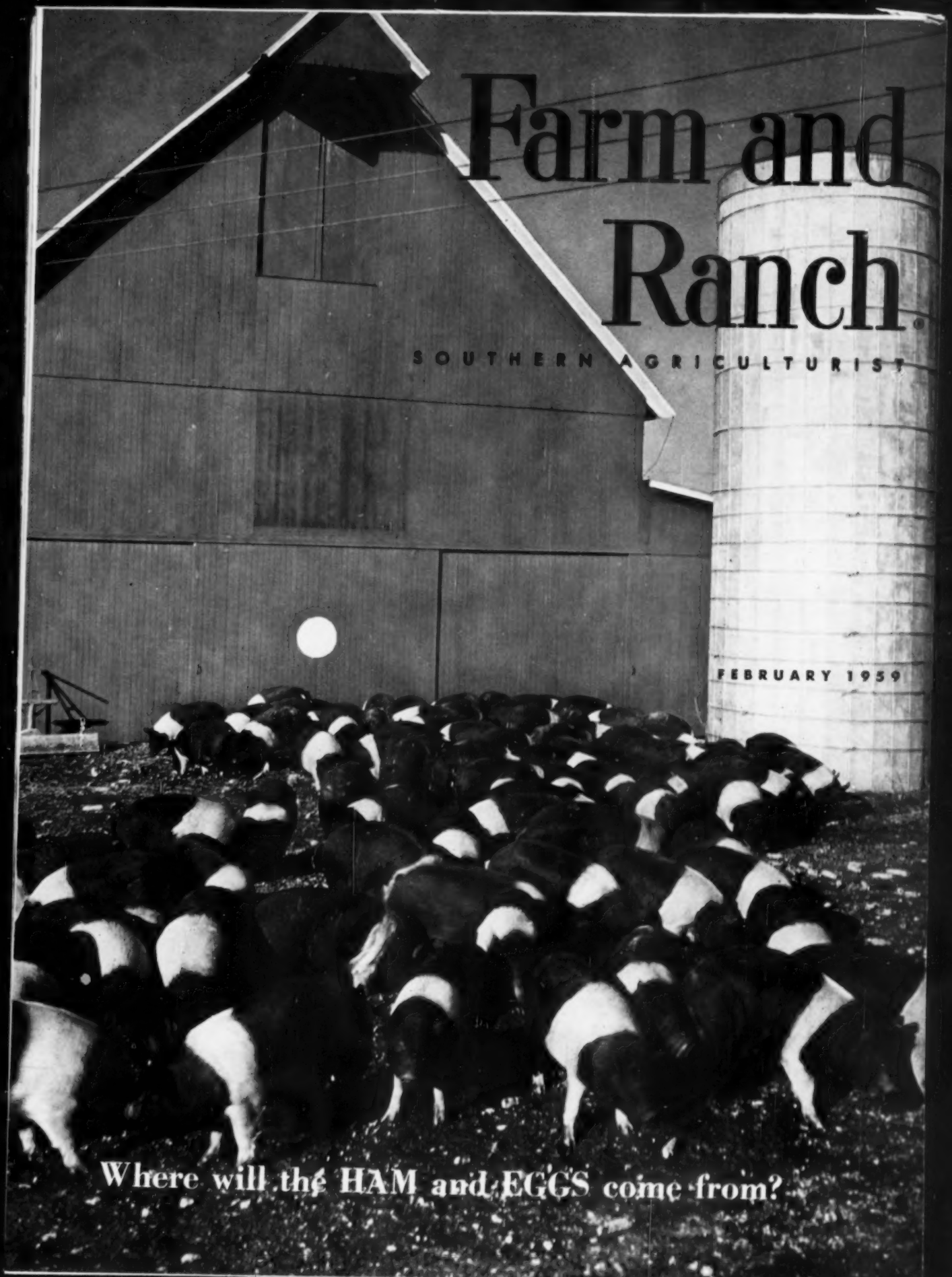
Farm and Ranch®

SOUTHERN AGRICULTURIST

FEBRUARY 1959



Where will the HAM and EGGS come from?

The Nomad—4-door 6-passenger—one of five new Chevy wagons!

THE CAR THAT LEADS YOUR KIND OF LIFE–'59 CHEVROLET!

Chevy's new Slimline design is right in step with your desire for style that reflects function as well as good form. You couldn't ask for a more stunning assortment of wagons. Yet every one of them is so beautifully practical! They offer more comfort, more safety, more economy—more of everything you want in a car.

Just look at the practical way the '59 Chevy meets the needs of today's on-the-go family. Its famous Body by Fisher is roomier, with vast new areas of visibility. Its ride is smoother, handling is easier. Its finish keeps its shine for as long as three years without wax or polish. There's a peppery new 6 that gets up to 10% more miles per gallon—plus vim-packed V8's. And look at the beautiful variety of versatile Chevrolet station wagons for '59. All five offer the last word in station wagon practicality. Handy around the homestead. Great for trips. Take the whole family along when you look them over! . . . Chevrolet Division of General Motors, Detroit 2, Michigan.

The Brookwood—2-door 6-passenger. Also a 4-door Brookwood.

The Parkwood—4-door 6-passenger.

CHEVROLET

What America wants, America gets in a Chevy!

The Kingswood—4-door 9-passenger with new rear-facing third seat.

NEW DEEP DIMENSION 3-T SURE-GRIP

NEW Deep-dimension, scoop-out shoulder lug bases for deep new traction bite—for deeper penetration by the most famous tread-mark in soil!

NEW Swept-back sidewall lug design for *NEW* resistance to radial cracking and buckling!

NEW Triple-Tough 3-T Cord construction for added life. Like steel, tire cord must be *TEMPERED* to be tough. Goodyear's exclusive 3-T Process Triple-Tempers the cord used in the New 3-T SURE-GRIP—for added strength and wear.

FOR VALUE—IN DEPTH—See the All-New 3-T SURE-GRIP NOW at your Goodyear dealer's. No other tire in its price range can match it—serve you so well! Goodyear, Farm Tire Dept., Akron 16, Ohio.

3-T SURE-GRIP . . . the biggest value in traction

ONLY **$45.35*** (Size 9-24) $61.85* (Size 10-28) $90.10* (Size 11-38)

*All prices for 4-ply rating, plus tax and your old tire. Other sizes also thriftily low-priced at most Goodyear dealers'. Prices subject to change.

Great Buy in Front Tractor Tires, Too!

FAMOUS TRIPLE RIB

Now you can get this great tire that meets the needs of every economy-minded tractor owner with its preferred 3-rib design—at the lowest prices yet!

ONLY **$12.25**

(4.00-15—4-ply rating) Plus tax and old tire. Price subject to change.

3-T, Sure-Grip—T. M.'s The Goodyear Tire & Rubber Company, Akron, Ohio

FARM TIRES BY

GOODYEAR

MORE FARMERS PREFER GOODYEAR TRACTOR TIRES THAN ANY OTHER KIND!

EXCITING NEW FORMULA!

BUILD BACK BLOOD POWER

fast with S. S. S. TONIC!

Feel better in 6 days – or money back!

Tired? Rundown? Nervous? You may be suffering from *iron-starved blood!* Doctors call it "iron-deficiency anemia."

S. S. S. RICH WITH IRON—Get new strength—more energy—with safe, sure, speedy S.S.S. TONIC! This high-potency tonic is *re-fortified with iron*—to build back blood power fast!

VITAMINS ADDED! New Formula S.S.S. TONIC now has a new combination of energy-building iron and important B-complex *vitamins!* S.S.S. TONIC builds new energy, helps guard your health too!

FEEL BETTER IN 6 DAYS! Iron-rich S.S.S. TONIC gets to work in 24 hours! You feel better in 6 days—*or your money back!* Start using it today!

TABLETS

LIQUID

S.S.S.® TONIC

Safe • Sure • Speedy

YOUNG MOTHER PROUD OF SMOOTH, FIRM BODY SKIN

Smooth away that tight-skin feeling *before* baby comes . . . enjoy smooth, firm skin afterwards! Just massage MOTHERS FRIEND onto your abdomen every day as your figure changes. Try this refreshing body skin conditioner today! At drug stores everywhere.

Special Offer! For trial size bottle plus booklet about you and pregnancy, send 25¢ in coins to Dept. I, Mothers Friend, Box 4447, Atlanta 2, Ga.

MOTHERS FRIEND®

EDITION NO. 3

For the Cotton-Growing Area of the South east of the Mississippi River (area 3 on map below).

Washington, D. C. and
318 Murfreesboro Rd.,
Nashville, Tenn.

4 Permanent Agri-Area Editions

February 1959

Vol. 89—No. 2

Total circulation Virginia to Arizona, more than 1,300,000

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Cover transparency by J. C. Allen

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FARM AND RANCH-SOUTHERN AGRICULTURIST is published monthly by Farm and Ranch Publishing Company, Inc. Thos. J. Anderson, president and publisher; Paul Seabrook, advertising manager; David G. Brown, business manager; R. E. Patterson and R. W. Stanley, circulation directors; P. C. Harper, circulation office manager. **SOUTHEASTERN EDITORIAL OFFICES AND EXECUTIVE OFFICES:** 318 Murfreesboro Road, Nashville, Tenn. **WASHINGTON EDITORIAL OFFICE:** National Press Bldg., Washington, D. C. **SOUTHWESTERN EDITORIAL OFFICE:** 833 Exposition Avenue, Dallas, Texas. **ADVERTISING OFFICES:** 318 Murfreesboro Road, Nashville, Tenn.; 833 Exposition Ave., Dallas, Texas; 551 5th Ave., New York City; 333 North Michigan Ave., Chicago, Ill.; 1447 Peachtree, N.E., Atlanta, Ga.; 99 Bethune St., Detroit, Mich. Western representatives, McDonald Thompson; 3727 West 6th St., Los Angeles 5, Calif.; 1068 Western Ave., Seattle, Wash.; 625 Market St., San Francisco, Calif.; Colo. Natl. Bank Bldg., Denver, Colo. Subscription rates in the United States and possessions, single copy 15 cents; 1 year, 50 cents; 2 years, $1.00; 5 years, $2.00; 8 years, $3.00; 12 years, $4.00. Foreign rate, 1 year $1.00. February 1959, volume 89, number 2. Entered as second-class matter at the post office, Nashville, Tennessee. Additional second-class entry at Lawrence, Kansas. **For change of address, six weeks' notice; send a label from a recent issue to Farm and Ranch Publishing Co., 318 Murfreesboro Road, Nashville, Tennessee.**

NOTICE TO POSTMASTER: Send all address labels clipped from undeliverable copies, with form 3579, to Farm and Ranch Publishing Company, 318 Murfreesboro Road, Nashville, Tenn.

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25%

on Antibiotic Medication with

Gallimycin®

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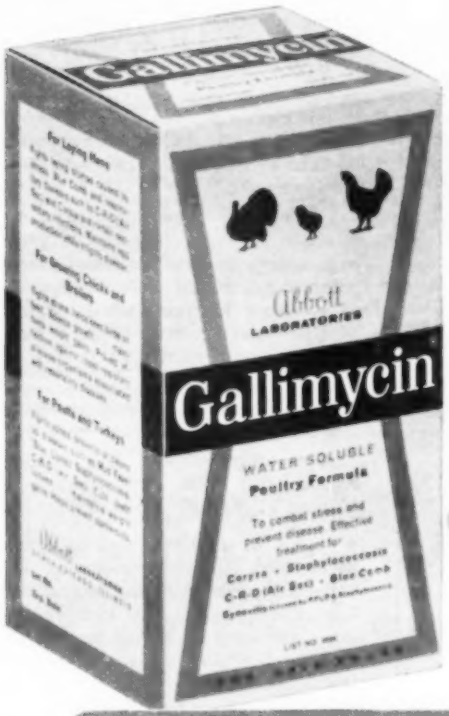

• Actually Treats Disease

• Fights Stress • Speeds Growth

Decrease early chick mortality with GALLIMYCIN. Stimulates feed and water intake during the critical first 10 days of life.

For growing chicks GALLIMYCIN fights stress, helps keep birds on feed. Speeds growth . . . maintains weight gains.

Fights laying slumps caused by stress, Blue Comb, respiratory diseases and certain secondary infections.

It's true . . . you can save up to 25% on your antibiotic medication with Water Soluble GALLIMYCIN Poultry Formula.

Why? . . . because lower approved dosages of GALLIMYCIN reduce treatment cost per bird . . . give more effective results.

GALLIMYCIN has proved more effective because—

1. GALLIMYCIN actually *treats disease!*
2. Boosts water consumption while it fights disease! Birds like the taste of GALLIMYCIN.
3. GALLIMYCIN has proved many times more active than commonly used antibiotics against organisms commonly associated with respiratory diseases.

For healthier and more profitable birds specify GALLIMYCIN . . . ask your dealer or serviceman for it today! Look for the attractive new blue, gold and black package of Water Soluble GALLIMYCIN Poultry Formula on his shelf. If he does not have it, have him write or call . . .

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DEKALB's Extensive Breeding & Testing Program in the South Assures You of Corn that fits your soil & climate

Southern farmers have learned that IT PAYS TO RAISE DEKALB CORN. First—because it's bred RIGHT in the South . . . tested on Southern soils under widespread conditions. That's why DEKALB is tolerant to disease and insects—why it tolerates strong, hot winds—why it takes advantage of long growing seasons and matures before hot, dry weather hits. DeKalb research has made outstanding varieties just for the South . . . they're doing an outstanding job for Southern farmers. Get your order in today—be sure you get the varieties you want. Don't Delay.

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Commercial Producers & Distributors of DeKalb Seed Corn, DeKalb Chix & DeKalb Hybrid Sorghum

LETTERS

• • • Your "Straight Talk" in December, 1958 issue was a masterpiece. By all means it should be read at the next session of Congress and should be entered in the Congressional Record. You may not live to see it, but I predict it will some day receive the recognition and acclaim due such a worthy masterpiece. Furthermore, I believe it will awaken more lethargic people to action than anything that has been written on the subject . . .
G. R. Hill *Seagoville, Tex.*

Ranting Claptrap

• • • I was anxiously awaiting your editorial on the recent election. Was I disappointed.

I thought sure you would have one of your ranting, editorials of claptrap, telling us how the country was going to go to hell with the election of so many Liberals and the defeat of Knowland (right-to-wrecks) turndown of (right to wreck) in five of six states.

I don't even put your magazine in the privy as it stinks too bad.

How many votes did Walter Reuther get?
Hilbert A. Wever *Purcellville, Va.*

• • • I want to take this opportunity to thank you for your courage and willpower to stand up and be counted. I think if there ever was a time when we need men to stand up and be counted it is now. Your editorial in the December issue as well as all the others are good, but this one seems to strike me as one of your most outstanding writings.

Not only are your editorials good but the entire paper gives lots of information and guidance. I have been teaching a Young Adult Class in Grace Methodist Church in Pickens for a few years and I have received several lessons from your paper which were very helpful.

We have had your paper in our home for years and I want to keep it coming. I only wish that every government official and the so-called rulers of our country would read the editorial in the December issue. If it did not cause them to pause and reflect, we do not need them in any capacity. Again I want to commend you and hope and pray that you will continue to demonstrate such faith and courage that all true citizens of America should have.
Wyatt E. Durham *Pickens, S. C.*

(Continued on page 8)

"He Made Me Feel Like A Bride Again"

A dramatization posed by professional models.

IT'S hard for me to believe that a few weeks ago I actually thought about leaving my husband! He had become so nervous and irritable — so cross with the children and me that there was just no living with him. He was always "too tired" to do anything — to visit friends, go to the movies — too run-down to have fun with his family. Even our children were puzzled and hurt by his week-in, week-out grumpiness. Frankly we bickered and fought so much I thought our marriage was over.

When Jim finally went to our family doctor, the examination proved there was nothing really wrong. The doctor said Jim's condition was merely caused by an easily corrected *nutritional deficiency* in his diet. You can imagine how shocked *I* was to discover that even though Jim was well-fed, he was actually poorly *nourished* due to a lack of vitamins, minerals and lipotropic factors.

Just when things looked blackest, we learned about the famous Vitasafe Plan through an ad in our newspaper. It told how other people with Jim's condition had been helped by taking just one Vitasafe Capsule a day. Naturally, we sent for a trial month's supply. What a difference it has made! Vitasafe High-Potency Capsules have helped him snap back with increased vigor and vim. I'm so happy, I feel *like a bride* again! Perhaps someone in *your* family feels tired and run-down because of a nutritional deficiency. Why don't you take advantage *right now* of this sensational trial offer as we did?

25¢ *just to help cover shipping expenses of this*

FREE 30 days supply HIGH-POTENCY CAPSULES

LIPOTROPIC FACTORS, VITAMINS and MINERALS

Safe nutritional formula containing 27 proven ingredients: Glutamic Acid, Choline, Inositol, Methionine, Citrus Bioflavonoid, 11 Vitamins (including blood-building B-12 and Folic Acid) plus 11 Minerals.

To prove to you the remarkable advantages of the Vitasafe Plan . . . we will send you, without charge, a 30-day free supply of high-potency VITASAFE C.F. CAPSULES so you can discover for yourself how much stronger, happier and peppier you may feel after a few days' trial! Just one of these capsules each day supplies your body with over *twice* the minimum adult daily requirements of Vitamins A, C, and D . . . *five times* the minimum adult requirement of Vitamin B-1 and the *full concentration* recommended by the Food and Nutrition Board of the National Research Council for the other four important vitamins! Each capsule contains the amazing Vitamin B-12 — one of the most remarkable nutrients science has yet discovered—a vitamin that actually helps strengthen your blood and nourish your body organs.

Glutamic Acid, an important protein derived from natural wheat gluten, is also included in Vitasafe Capsules. And to top off this exclusive formula, each capsule now brings you an important dosage of Citrus Bioflavonoid. This formula is so complete it is available nowhere else at this price!

EACH DAILY VITASAFE CAPSULE FOR MEN CONTAINS

Choline Bitartrate	31.4 mg.	Niacin Amide	40 mg.
Inositol	15 mg.	Calcium Pantothenate	4 mg.
dl-Methionine	10 mg.	Vitamin E	2 I.U.
Glutamic Acid	50 mg.	Folic Acid	0.5 mg.
Lemon Bioflavonoid Complex	5 mg.	Calcium	75 mg.
Vitamin A	12,500 USP Units	Phosphorus	58 mg.
Vitamin D	1,000 USP Units	Iron	30 mg.
Vitamin C	75 mg.	Cobalt	0.05 mg.
Vitamin B_1	5 mg.	Copper	0.45 mg.
Vitamin B_2	2.5 mg.	Manganese	0.5 mg.
Vitamin B_6	0.5 mg.	Molybdenum	0.1 mg.
Vitamin B_{12}	2 mcg.	Iodine	0.075 mg.
		Potassium	2 mg.
		Zinc	0.5 mg.
		Magnesium	3 mg.

SPECIAL PLAN FOR WOMEN ALSO AVAILABLE. CHECK COUPON IF DESIRED.

WHY YOU MAY NEED THESE SAFE HIGH-POTENCY CAPSULES

As your own doctor will tell you, scientists have discovered that not only is a daily minimum of vitamins and minerals, in one form or another, absolutely indispensable for proper health . . . but some people actually need *more* than the average daily requirements established by the Food and Nutrition Board of the National Research Council. If you tire easily . . . if you work under pressure, subject to the stress of travel, worry and other strains, with resulting improper eating habits . . . then you may be one of the people who needs this extra supply of vitamins. In that case, VITASAFE C.F. CAPSULES may be "just what the doctor ordered"—because they contain *the most frequently recommended food supplement formula for people in this category!*

POTENCY AND PURITY GUARANTEED

There is no mystery to vitamin potency. As you probably know, the U.S. Government strictly controls each vitamin manufacturer and requires the exact quantity of each vitamin and mineral to be clearly stated on the label. This means that the purity of each ingredient, and the sanitary conditions of manufacture are carefully controlled for your protection! When you use VITASAFE C.F. CAPSULES you can be sure you're getting exactly what the label states . . . *pure* ingredients whose beneficial effects have been proven time and again!

WHY WE WANT YOU TO TRY A 30-DAY SUPPLY — FREE!

We offer you this 30-day free trial of valuable VITASAFE C.F. CAPSULES for just one reason. So many persons have already tried them with such astounding results . . . so many people have written in telling us how much better they felt after only a short trial . . . that we are absolutely convinced that you, too, may experience the same feeling of improved well-being after a similar trial. In fact, we're so convinced that we're willing to back up our convictions with our own money. You don't spend a penny for the vitamins! A month's supply of similar vitamin capsules, if it were available at retail, would ordinarily cost $5.00.

AMAZING PLAN SLASHES VITAMIN PRICES ALMOST IN HALF

With your free 30-day supply of Vitasafe High-Potency Capsules you will also receive complete details regarding the benefits of an amazing new Plan that provides you regularly with all the factory-fresh vitamins and minerals you will need. *You are under no obligation to buy anything!* If after taking your free capsules for two weeks you are not entirely satisfied, simply return the handy card that comes with your free supply and that will end the matter. Otherwise it's up to us — you don't have to do a thing — and we will see that you get your monthly supplies of capsules automatically and *on time* for as long as you wish, at the low, money-saving price of only $2.75 per month (plus a few cents shipping) — *a saving of 45%*. Mail coupon now!

SPECIAL PLAN FOR WOMEN

Women may also suffer from lack of pep, energy and vitality due to nutritional deficiency. If there is such a lady in your house, you will do her a favor by bringing this announcement to her attention. Just have her check the "Women's Plan" box in the coupon.

®"Vitasafe" Reg. T.M. ©1958 Vitasafe Corp.

FILL OUT THIS NO RISK COUPON TODAY!

VITASAFE CORP. K-21
43 West 61st Street, New York 23, N. Y.

Yes, I accept your generous no-risk offer under the Vitasafe Plan as advertised in this magazine.

Send me my FREE 30-day supply of high-potency Vitasafe Capsules as checked below:

☐ Men's Plan ☐ Women's Plan

I ENCLOSE 25¢ PER PACKAGE for packing and postage.

Name.....

Address.....

City..... Zone.... State.....

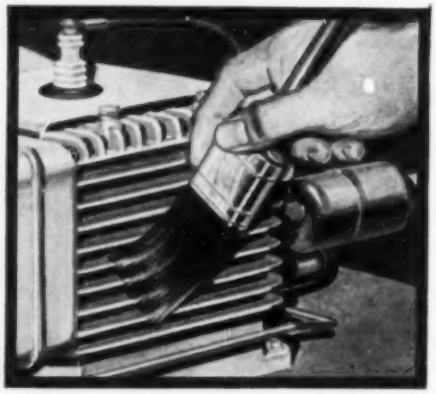
This offer is limited to those who have never before taken advantage of this generous trial. Only one trial supply under each plan per family.

IN CANADA: 394 Symington Ave., Toronto 9, Ont.
(Canadian Formula adjusted to local conditions.)

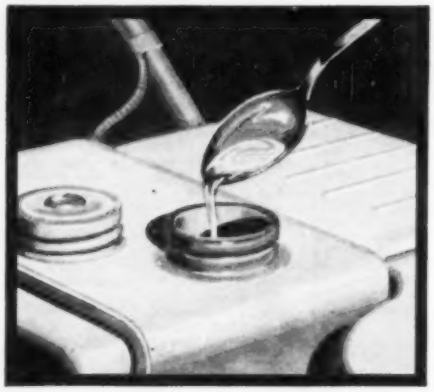
Mail Coupon To **VITASAFE CORPORATION,**
43 West 61st Street, New York 23, N.Y.
or when in New York visit the VITASAFE PHARMACY, 1860 Broadway at Columbus Circle
IN CANADA: 394 Symington Ave., Toronto 9, Ontario

How to care for small engines

These three simple power protection steps will prevent downtime and maintain efficiency



Cleanliness counts toward maintaining efficiency and preventing wear. Keep a dusting brush handy to clean debris from engine fins. Clogged fins can cause scored cylinder walls, burned valves. Special care should be taken to keep all air vents open and air cleaner free from dirt.



Add lacquer thinner 2 tablespoons to a gallon—if your engine is not used more than once a week. Lacquer thinner prevents gum formation in tank and carburetor. Most manufacturers recommend regular gasoline.

Protect power with Perfect Circle chrome piston rings. Loss of compression means hard starting and lost power. Check valves and parts for carbon deposits, examine rings for sticking and wear. Replace with Perfect Circles when new rings are needed.

PERFECT CIRCLE

PISTON RINGS AND POWER SERVICE PRODUCTS

Hagerstown, Indiana — Don Mills, Ontario, Canada

Letters

(Continued from page 6)

Faith

• • • Request permission to print in full for employee publication, "The Diamond Texas," December, 1958 issue, article "Faith" by Dr. Walter R. Courtenay appearing in September FARM AND RANCH.

W. J. Butler — *Houston, Tex.*

Elect Justices?

• • • Congratulations to the best and most outspoken editor in America.

The South will not go along with bombings or lawless acts, but neither do we recognize the Supreme Court as the lawmakers of the land.

I believe this United States should be divided into nine districts and allow the voters to elect a Supreme Court Judge from each. No president should have the right to appoint a judge . . .

C. W. Merck — *Birmingham, Ala.*

• • • Enclosed find renewal subscription for four more years of your worthwhile magazine.

For several years we've been reading "Straight Talk" and always have found that Mr. Anderson's views on conditions in this wonderful country of ours are very much like our own. On many occasions he has been several jumps ahead of us and waked us up with some startling revelations. The December "Straight Talk" to the "Lifers" is a masterpiece. Keep up the good work, Tom Anderson.

Thanks for the list of *For America* publications in the December issue. We are happy to report that we take three of them . . . *American Mercury* is really on the beam, and readable from cover to cover like FARM AND RANCH.

Mrs. E. E. Anders — *Arkansas Pass, Tex.*

Paid Illegitimacy

• • • Thank you for the special offer to the finest magazine printed today. Enclosed you will find my dollar and name.

Mr. Anderson, there is a subject you could use for your "Straight Talk," if you don't think it is too hot to handle. Namely, the State and Federal Government paying for illegitimate children. Here in our Parish last year, out of the nearly 300 illegitimate children born only three were white. . . . Our head of relief in Louisiana said there were over 17,000 such children receiving payments, or rather these women were being paid to have them . . .

Sam Williams — *Oak Ridge, La.*

(Continued on page 62)

Bag-for-bag! Which bag is your best buy?

MAKE YOUR OWN BAG-FOR-BAG TEST AND LET YOUR CROPS DECIDE!

Compare Chilean "Bulldog" Nitrate of Soda bag-for-bag with any other nitrogen fertilizer regardless of its nitrogen content. Side by side, at any rate, on any crop. Whatever the result, you're bound to win. Six years of bag-for-bag tests prove it!

There's nothing to compare with the speed and efficiency of nitrate nitrogen. When a hungry, young crop needs help, it needs it in a hurry. Nitrate nitrogen is always in a hurry. The nitrogen in Chilean Nitrate of Soda is 100 percent nitrate nitrogen. All available, fast-acting, safe and sure. You can depend on it — rain or shine.

During the past six years, 331 bag-for-bag tests were made comparing Natural Chilean Nitrate of Soda, bag-for-bag, with synthetic nitrogen fertilizers containing 25 to 100 percent more nitrogen, usually half nitrate, half ammonium nitrogen. But no sodium!

Bag-for-bag, on oats, wheat, corn and cotton, Chilean Soda yields averaged as high or higher than synthetic nitrogen yields, regardless of nitrogen content.

Chilean's natural combination of nitrate nitrogen, sodium and minor elements is ideal for top-dressing and side-dressing hungry crops. The nitrogen is 100 percent nitrate nitrogen. The sodium corrects soil acidity. It helps to maintain a favorable pH level in the soil, which assures larger supplies of available potash, phosphate and calcium. These extra values build up fertility—offset the higher nitrogen content of synthetic nitrogen fertilizers.

If you have any doubts, we urge you to make your own bag-for-bag test. Let your crops decide. Compare Chilean Soda, bag-for-bag, with any other nitrogen fertilizer, regardless of its nitrogen content—any crop—any rate—bag-for-bag. Whatever the result, you're bound to win.

NATURAL CHILEAN NITRATE OF SODA

Look for the Bulldog on the Bag!

Precision-Made

Here's how fertilizer makes corn pay!

WITH A SMALL AMOUNT OF FERTILIZER PER ACRE		WITH A LARGER AMOUNT OF FERTILIZER PER ACRE
$46.55	FIXED COSTS*	$46.55
$ 4.00	INVESTMENT IN FERTILIZER	$ 16.00
——	COST OF APPLYING EXTRA FERTILIZER AND HARVESTING EXTRA YIELD	$ 3.00
$50.55	TOTAL COST PER ACRE	$65.55
60 BUSHELS	YIELD	90 BUSHELS
$60.00	VALUE OF YIELD AT $1 PER BUSHEL	$ 90.00
$9.45	NET PROFIT PER ACRE	$24.45

***Fixed costs include land-use, labor, machinery, lime, manure and seed.**

NOTE: All of the above figures are conservative, based on the average of many results. You can adjust them to fit your farm.

V-C® Fertilizer

makes your profits GROW!

Many farmers have found that the best way to make more money is to use more fertilizer per acre. For example on corn, more fertilizer per acre means extra bushels produced at low cost and high profit.

Look at the figures at left, based on average results. Where $4 worth of fertilizer per acre was used, the net profit was $9.45. Where $16 worth of fertilizer per acre was used, the net profit was $24.45.

Fixed expenses were the same whether the yield was 60 bushels or 90 bushels per acre. To increase the yield to 90 bushels, the only extra investment required was $12 for extra fertilizer and $3 for extra labor. The 30-bushel yield increase cost $15. These figures are conservative. Much bigger profits than this have been made by using much heavier applications of fertilizer.

Make every acre a profit-maker!

Fertilizer is your most profitable investment. See your V-C dealer today. Place your order for enough V-C Fertilizer to give every acre more than ever before . . . *and watch your profits grow!*

V-C Fertilizers pay off at picking time, because they are ***precision-made*** for your crops and soils in a V-C factory near your farm. V-C fertilizer experts, chemists and agronomists combine technical skill, scientific research and practical farm *know-how* to make better fertilizers for you. Superior methods and materials, developed through 64 years of experience, go into your ***precision-made*** V-C Fertilizers.

To obtain the exact analyses you need, place your order now. Give V-C enough time to get your ***precision-made*** fertilizers to you on time. To find out who sells V-C Fertilizers in your vicinity, write to Virginia-Carolina Chemical Corp., Richmond 8, Va.

The best grade PRECISION-MADE for YOUR crop

V-C Fertilizers are ***precision-made*** in the analyses recommended by your Experiment Station or Extension Service.

V-C Fertilizers are ***precision-made*** in combinations of plant foods to meet needs indicated by soil tests.

V-C Fertilizers are ***precision-made*** for your crops and soils in a V-C factory near your farm.

Famous for crop-producing power and easy-drilling quality since 1895!

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FARMING AHEAD

THE LATEST FIRST—FOR THE SOUTHEAST

MOSQUITOES, TOO, may be in for it. After a good start at fighting screwworm flies by sterilizing males, lab work now shows both male and female mosquitoes are easily sterilized by radiation. They may be next.

IT'S ALSO LEARNED that insects have no trouble reproducing in outer space—whirling at a pressure 10 times the force of gravity.

FLORIDA SAND FLY is proving a built-up resistance—100-fold—to dieldrin, heptachlor, chlordane and lindane; and 10-fold resistance to endrin in lab tests.

OIL CONTENT OF SOYBEANS is fast becoming as important to the price as grade, says marketing specialist John Crothers, Jr., Univ. of Md. As production now catches up with demand, John thinks buyers will be more "choosy" about oil percentage.

ALFALFA BY A LANDSLIDE. Others may turn to newer hay plants, but in West Virginia farmers are staying with alfalfa. Ninety-one % of farmers interviewed in 47 counties said they know no other crop that will produce a ton of feed at less cost.

IT'S A 'DIRTY' PEST. Dr. H. P. Cooper, at S. C. Exp. Sta. at Clemson, has determined that "little leaf" of pines is caused by soil conditions—not organisms, as was once believed. It's high acidity.

THE "WHAT'LL YA GIMME" AGE is gone, declares Ed Lipman, of the National Cranberry Assn. He says the little farmer can no longer stay in business without organized selling.

1,200 POUNDS OF LINT cotton per acre—without irrigation-ain't hay, in North Carolina's rolling Piedmont section. That's what C. D. Houser, Lincoln County, did with his 16 acres last fall. The good weather made it possible, but it was heavy fertilization and a thorough insect-control program that did it. Houser was particularly careful to keep down red spider, one insect often overlooked.

RENT ON GRAIN BINS owned by the government and in use by commercial groups will be increased March 1 from 3/4¢ to 1 1/4¢ per bushel of capacity.

SEA WATER FOR IRRIGATION can now be "desalted" at a cost of $1.75 per 1,000 gallons. Scientists say they'll soon be able to do it for 50¢ per 1,000 gals.

THE CAROLINA RABBIT CROP is reported thriving. Farmers are warned to take steps to protect young apple trees.

A CALL FOR MACHINERY: Ag. Engineer E. S. Smith of Va. Exp. Sta. says Southern farmers have made great strides in mechanizing hay production and harvesting; but lag in machinery for handling and feeding hay, even though labor cost has gone up twice as fast as farm machinery.

YELLOWING OF OATS is being caused by infestations of aphids, or plant lice, in South Carolina. Entomologist W. C. Nettles, at S.C. Exp. Sta. says farmers are wrongly laying it on the Hessian fly—which attacks wheat, but not oats.

NEW WEED KILLER gets Johnson grass without sterilizing the soil. Called C-56 it's most effective and less expensive when applied before the Johnson grass is 6 inches high. It'll take 1 gallon mixed with 99 gallons of fuel oil to kill in that range; 2 gallons of C-56 in 98 gallons of fuel oil when the Johnson grass is in the boot and bloom stages.

IT'S PRODUCTIVE NOW. Fred Kilpatrick, Transylvania County, N. C., spread old, decayed sawdust on part of a field that was just hard clay. By the second year, the clay spot was productive—entire field made 132.5 bushels of corn to the acre.

MERCURY COMPOUNDS for treating seed rye in Florida have proved helpful in increasing germination of seed harvested under wet-season conditions. (Cause of poor germination was a species of Helminthosporium.)

"FIRESTONES OUTPULL 'EM ALL IN VERDIGRIS VALLEY GUMBO!"

says Claude Johnson, the Dunkin Farms, Wagoner, Oklahoma

"I've found you can't beat Firestones for farming in our red gumbo! They wear longer and outpull 'em all. And they're the best cleaning tires I've ever used. I like Firestones so much I've got them on all my tractors, trucks, and cars. To top it off, Roy Lawson, my Firestone serviceman in Muskogee, really delivers when I need him."

Tests prove Firestone Tractor Tires are built to specifications which give longer service in the field or on the road. Firestone's stronger S/F (Shock-Fortified) cord body resists impact damage. The tread is specially compounded with Firestone Rubber-X to give longer wear in the worst soil conditions. The flat tread contour with curved and tapered traction bars gives sure-footed traction in all soils. A special Firestone Rubber-X sidewall compound differs from the tread, and resists aging, cracking and costly flex damage.

CHAMPION GUIDE GRIP*
FRONT TRACTOR TIRES
give you easier cleaning
better steering • longer wear

*FIRESTONE T.M.

See your Firestone Dealer or Store and find out how Firestone Rubber-X and S/F cord give extra service at no extra cost. And see the great new Firestone All Traction Champion* . . . proved to be today's best tractor tire buy.

You can save costly downtime delays with Firestone's *Free New Tire Loaner* Service. Just call and your Firestone Dealer or Store will loan you new tires while your old tires are being retreaded or repaired.

ALWAYS A YEAR TO PAY

Firestone

BETTER RUBBER FROM START TO FINISH

Copyright 1959, The Firestone Tire & Rubber Company

Enjoy the Voice of Firestone on ABC television every Monday evening.

MEDIC-AID helps your chicks grow faster, healthier. Use it to sharpen their appetities so they eat more, drink more, get going faster. Easy to use—put MEDIC-AID (Tablets or Powder) in the drinking water and watch chicks grow robust and healthy... with vim and vigor to fight off many common ailments and stresses. It's a two-fisted health booster and stress fighter.

VITAMINS AND ANTIBIOTICS

MEDIC-AID is supercharged with 6 health-building vitamins plus disease-fighting streptomycin and penicillin. Dissolves easily in drinking water . . . goes to work fast. It's an ideal supportive treatment whenever birds of any age are ailing. Helps convalescent birds recover faster.

BUILDS HOG HEALTH, TOO

Baby pigs especially need high levels of antibiotics and vitamins for quicker gains and more disease resistance. MEDIC-AID stimulates nutritionally weak pigs, helps overcome many stress factors. Given to baby pigs by spoon or squirt method, or in drinking water or milk, MEDIC-AID gets into the intestinal tract and goes to work immediately. Helps control bacterial enteritis.

Proper medication is only one part of good flock management. For best results, you should also follow sound feeding, housing, sanitation and pest control practices. Ask your Dr. Salsbury's dealer for Profit Thief booklets that show you how to raise better chicks.

NATIONWIDE SERVICE TO
THE POULTRY INDUSTRY

Dr. SALSBURY'S LABORATORIES
Charles City, Iowa

POULTRYGRAM

(New ideas and current information for poultrymen)

"IT'S VENTILATION," or lack of it. That's what Grover Harris, Univ. of Md. poultryman, says causes winter management problems like wet manure, some diseases.

NO PERFECT COCCIDIOSTAT has been developed, say poultrymen at USDA's Beltsville Research Center. But they say aureomycin-sulfamethazine, glycarbylamide and nicarbazin all have done "a good job" in recent tests.

MORE GOVERNMENT WORKERS. USDA is having some trouble in some states hiring all the poultry inspectors needed. Want to work where the market price can't hurt you?

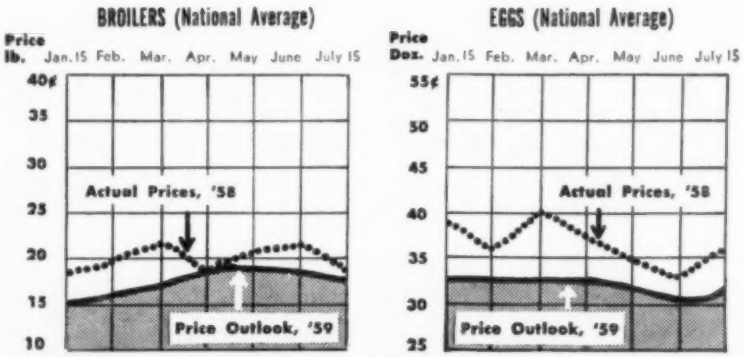
EGGS BY THE POUND, instead of by the dozen, is the way Mayfield Feathercrest Farm, Arlington, Tex. is trying it. Offered at food store counters side by side with other eggs priced the usual way (52 to 55 cents a dozen), Mayfield's eggs are priced at 35 cents a pound for Large eggs. (Eight Large eggs make about one pound.)

On first weekend they were advertised this way at food stores in Bryan, Tex., customers bought nearly twice as many Mayfield eggs (by the pound) as they usually buy by the dozen.

Advantage to Mayfield is that he gets paid for the few extra ounces his eggs weigh above state law minimum weights required for Grade A or AA Large.

CUT IN PRICE paid for eggs produced under contract was put into effect Jan. 1 by the Tennessee Egg Co., Chattanooga. Base price was cut to 4 cents a dozen from 6 cents a dozen. Bonus remains at 6 cents a dozen for those producers who earn it.

POULTRY PRICE REVIEW AND OUTLOOK



(Note: Outlook figures are "guesstimates," not official forecasts.)

Get more big eggs sooner with New Pillsbury Starting Program

Another Pillsbury Feed Bonu$

Protects chicks; automatically times production so they lay larger eggs right from the start.

Here's a great advance in chick starting from Pillsbury —A Timed Egg Production Program. It gives your chicks extra protection. Develops them with the precise timing needed to start them laying at a high rate with minimum pullet eggs. And there are no charts, complicated records or figuring. You simply follow the new Pillsbury Starting Program below.

1st two weeks—Extra protection with Pillsbury BEST Pre-Starter Hp25—High-level antibiotics, minerals and vitamins guard your chicks against disease during first critical weeks. 25% protein plus growth booster AN-7 should produce wing and tail feathers at one week.

3rd-6th week—Extra fast growth with Pillsbury BEST Chick Starter—High calorie-protein level—plus AN-7 teamed with antibiotics—pushes chick growth well beyond combined power of any or all six commonly known antibiotics. Guards against "Bareback," too.

7th-20th week—Time Egg Production with Pillsbury's BEST Pullet Developer—This new feed has the exact nutritional level needed to produce swift maturity and development of egg-producing organs. It times production so pullets start laying at a high rate with a minimum number of small eggs when put on Pillsbury's BEST Laying Feed.

Get the Bonu$

Get Pillsbury Chick Starting Feeds

Where will the

HAM and EGGS come from?

WHAT choice do us little guys have? Sign up for a contract 'deal', get into some kind of super-cooperative or join a union, maybe—or quit and go to work for the big guys."

That's the glum way one East Texas broiler producer sees it, adding: "Even the 'deals' don't help much; the guy you're contracted to backs out on it if things get to looking bad for him. But don't say I said that," he hastily amends. "My 'deal' may not be much, but I can't afford to lose it."

Some independent egg and pork producers are almost as pessimistic. Contract production hasn't crowded them out and put the egg and hog business into partial control of processors, feed dealers and hatcherymen, the way it has with broilers and turkeys. Even contract broiler growers are fast being replaced by total vertical integration—with tens or even hundreds of thousands of broilers being produced every two months under outright and complete ownership—from hatching egg to meat counter—by one big company. So far, that's not happening with broilers and laying flocks.

But small farmers who depend on hogs or hens for most of their income have reason to be worried. Big-boy competition is looming over them, too. Fewer than 10% of the nation's hogs and only a small part of its eggs are now produced under any kind of feeding or marketing contract. But at least a dozen big contract egg operations are going strong across the country, and half a dozen contract hog operations are getting under way within 200 miles of Memphis, Tenn. alone. (See "Produce Hogs under Contract?", December FARM AND RANCH.)

In a recent issue, we told you about Southland Farms, supervising and furnishing the know-how for small farmers producing 800,000 eggs a day under contract, in southwest Arkansas. Around Chattanooga, Tenn. the Tennessee Egg Co., with 160,000 hens under contract, also furnishes financing, marketing and production know-how for its producers. Mississippi Federated Cooperatives is well under way with its plan to place a million laying hens on "family" farms in the state, and plans a similar program with hogs. MFC's program isn't actually a contract operation, but does handle the marketing and some of the management problems for its members. Super-cooperatives at Asheville and Charlotte, N. C. and in several Midwestern states have similar massive programs.

Less dramatic but probably more important to the egg and pork outlook now is just plain bigness. In our October issue, we told you about the Crawford-Simpson operation at Flora, Miss. turning out 5,000 fat porkers at a clip. It's not integrated; it's just big, with all the advantages bigness has nowadays.

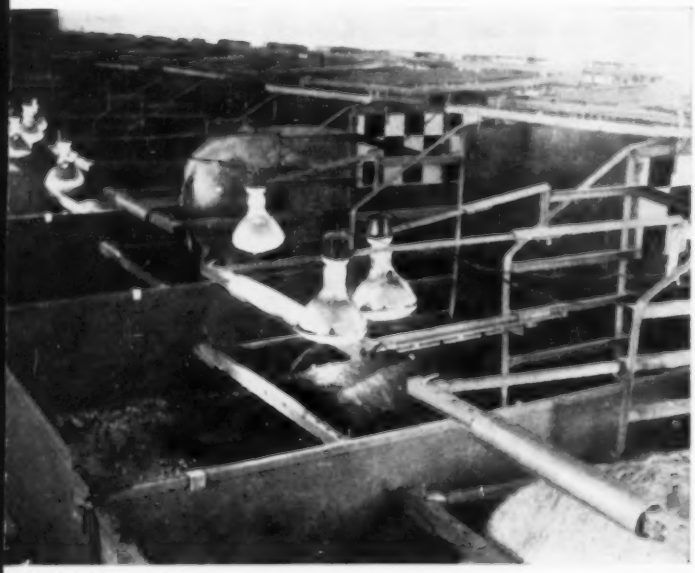
There's no reason big and little poultrymen and livestockmen can't co-exist peacefully. But the country can use just so many eggs and so much meat. It takes only a little surplus of either to bring market prices everywhere down so low for so long that only the strongest can survive—as has almost happened with broilers and turkeys already.

And it takes only a few big egg operations, closely tied in with chain food store and wholesale egg buyers, to monopolize all the major egg market outlets in the South. More often than not, major egg buyers would refuse to buy eggs from a large number of small, scattered poultrymen if they could get all they needed at the same price—and with the quality they wanted—from a few major integrators or big flocks. Hog buying doesn't work the same way, but chain food stores and packers like to get their meat supply the easiest and surest way, too.

Bigness isn't all good or littleness all bad, of course. But during the next several months bigness—whether it's integration under super-cooperatives or corporations, or outright ownership of assembly-line flocks and herds—stands to have too many advantages to laugh off. The price outlook is gloomy for hogs and all poultry.

"The current headstrong broiler placement policy can result only in continuation of drastic losses to the grower," warns W. E. Glennon, president of American Feed Manufacturers Assn. "Only those with large financial reserves will be able to weather the storm until prices improve."

"Improvement" in broiler prices a few years ago meant at *(Continued on page 34)*



Carl Phillips, Abernathy, Tex., grows pigs as profitable sideline. About 3,000 fat hogs a year will come from Phillips' new streamlined farrowing house.

By Bill Kennedy

Double cropping behind winter grains . . .

This experimental equipment at Clemson, S. C. opens furrows, plants two rows of seed, fertilizes and chemically treats soil for weed control—all in one trip across the field.

How far can we go with once-over tillage?

WILL they soon fix it so you can make one trip over a field of stubble and be all done with fertilizing, planting and cultivating a summer row crop? It's not so farfetched.

Many Plains farmers in Atlantic states are now following their combines with planters to harvest and replant grain fields to summer crops all in the same day. With disk openers or middle busters attached to run in front of the seed spouts—opening planting furrows and covering straw in the middles—planting is a once-over operation. Some put down fertilizer the same trip.

And now stations are experimenting with equipment that will cultivate, as well, by mounting on a chemical weed control tank (see photo above).

Mulch planting is a natural for minimum tillage on the Plains—it cures so many farmer headaches:

- **Saves valuable time** in the early growing season.
- **Saves labor and cost** of raking or burning straw.
- **Saves the straw** for long-term benefits to the soil.
- **Preserves moisture** usually lost by turning.
- **Prevents destructive erosion,** especially on hillsides.
- **Leaves middles firm** (for cultivating sooner after rains).
- **Suits the soil type.**
- **Fits into the scheme of** more soybeans and sorghum.

In North Carolina, soybeans mulch-planted behind wheat in experiments have far exceeded state "average" yields for five years—almost doubling the average some years.

Some important "secrets" in mulch-planting:

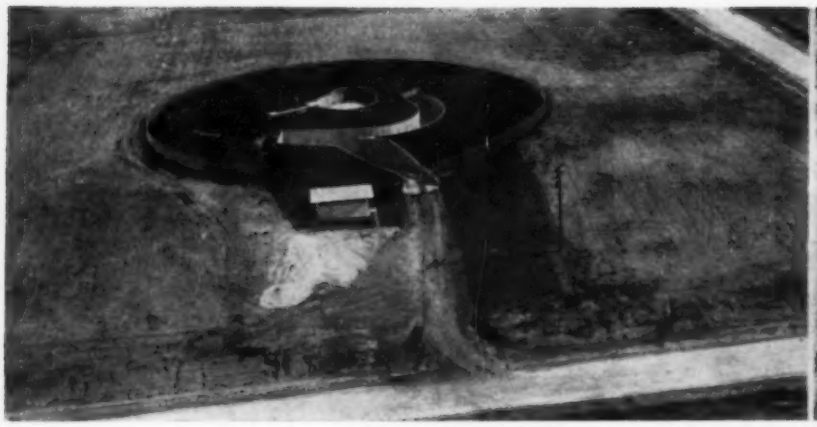
- **First cultivations** must not disturb row middles.
- **Straw must be chopped** and spread (if not by a chopper attachment on the combine, then with a rotary mower).
- **First cultivation** must not disturb row middles (well-covered straw keeps down weeds, anyway). Rows are barred off with disks and plowed with small sweeps (working edges of the middle toward row) until last cultivation, when a big sweep is used in the middle to level off.
- **If fertilizer is used** at planting, place it *away* from seed.

At Clemson, S. C., state and USDA research teams are making headway with chemical weed control, combined with minimum tillage planting. They produced good corn this past season on both mulch-plant and plow-plant plots—never took a plow to the fields after planting. From these tests it appears the plow-plant method (turn stubble and follow immediately with planting equipment—maybe harrowing once in between) will prove to give somewhat higher yields than the mulch method with corn.

For this work, W. N. McAdams adapted two-row planting equipment to a one-row tractor (see photo above). Seed are planted in front of the rear tractor wheels.

Photo courtesy SCS

Picture series at left shows how farmer can get and keep a good, clean stand of soybeans—and produce a top crop—planting directly on stubble mulch. Note there is still a mulch in the middle after the last cultivation.



Giant irradiator (left, above) is now testing plants, seed, animals, feed and human food. Pit (right) which is used for exposure is isolated by thick concrete banked with dirt, can be entered only through mazy driveway.

What does it mean to farmers?

FLORIDA HAS BIGGEST IRRADIATION PLANT

By Bill Kennedy

THE Florida Experiment Station spent millions to build near Gainesville the biggest agricultural irradiation unit in the country. Nobody knows how important the facility may be to the future of farming.

To the farmer seeing the plant the first time, it might look like a "pill box" he saw in one of the famous military lines in Europe during the war— or like nothing he ever saw anywhere before. So dangerous is the material they store and handle there that it must be kept in lead "pigs" 13 feet under water when not in use. (Cobalt-60 on hand is equal to 11 pounds of pure radium.) It is surrounded by curving passageways of concrete—and controls in the "pit" itself are worked automatically from a station safely removed. So far, only one man is authorized to operate it. And anyone entering the area must pass through a complicated system of double fences.

Just as sure as irradiation is becoming important to the very existence of mankind, it will be important to the farmers' use of plants and animals. Projects are already under way with both to find out just *how* important. Purpose is to see what radioactive material will do to animal and plant growth, reproduction, etc. (And how these will affect consumers.)

The animal husbandry department is using the unit to study its effect on meats as well as live animals—and on feeds fed to livestock.

The horticulture department is trying to find out what it does to plants—hopes to induce changes that will even result in new varieties.

Fruit and vegetable boys are searching for signs that it can be used to increase cold resistance in plants—and disease resistance.

And the agronomy department is hunting induced changes that will be economically important to field crops.

The facility will be used not only by Florida scientists, but is offered for special projects to other Southern experiment stations. You may not benefit from any of the work for a long time . . . but significant results may turn up at any time.

COBALT "BULLET" TESTS

A report from the University of Florida Experiment Station shows that the new cobalt bullets appear to be working the way manufacturers planned in the stomachs of sheep and cattle. But response in the animals—gain and hemoglobin count—has so far been negative.

Dr. Marvin Koger, reporting to FARM AND RANCH, said this is perhaps because the trouble with animals used in the tests "apparently was not cobalt deficiency."

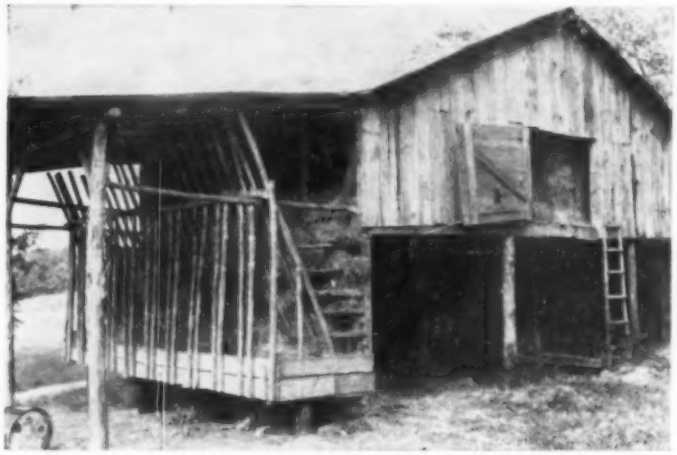
Theory behind the bullet is that it will rest in the rumen— it's injected with a throat gun—and gradually erode to supply daily needs of the trace mineral for as long as a year. Cobalt is essential to the formation of Vitamin B12. And Vitamin B12 is necessary in promoting good health in terms of greater weight gains and production.

The bullets, called "Permaco," have been in use by sheep men in Australia for some time and will soon be on the American market. You'll be able to buy them (in cans of 50 each) from the usual suppliers of livestock remedies at a cost of something like 40 to 45 cents a bullet.

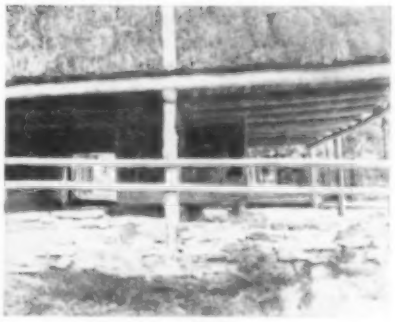
Not pretty - but practical

OLD barns and abandoned tenant houses have been put to good use on the Bill French beef cattle farm, Blount Co., Ala. French uses the barns and houses for hay storage and self-feeders. Pine poles cut on the farm are used to make feeders. Hay is stored in the building and feeding takes only a few minutes. The cattle can eat when they choose and they're protected from bad weather.

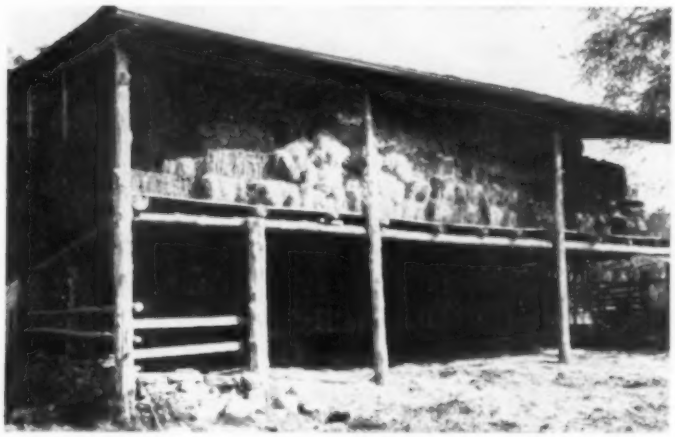
Cost of building the feed barns was almost nothing—just a few nails and poles cut on the farm. —*Durell Davis*



This old barn was jacked up and a feed bunker built under the shed. Cattle have protection on the ground floor, hay is put overhead.



A large hay bunker is filled from overhead. Cattle can eat on all sides of the pole-type bunker.



Side view of barn storage with bunker underneath. Poles used for hay bunker are untreated, since they're not out in the weather.

Fertilizer Facts

by
S. F. Thornton, Ph. D.

Field Tests Pay Off

There are 13 essential plant foods that crops must have and usually get from the soil. Every soil contains some quantity of each of these, but usually not enough of one or more of them.

Fertilizers produce better crops because they add to the land the vital foods needed to correct soil shortages.

To do this job effectively, the fertilizer used must supply in proper amounts all of the plant food elements needed by the crop and likely to be deficient in the soil. Making certain that the fertilizer used does the full job in the most economical manner is the key to profitable yearly crop production.

Soil tests are helpful in solving this problem and valuable suggestions can be obtained from your State Agricultural Experiment Service or from other sources. Nothing, however, is quite so convincing or dependable as tests comparing different fertilizers right on the farm.

In making comparisons, be sure to apply the two fertilizers side by side in the same field. Make certain, also, that the materials being compared are of the same analysis and are applied at the same rate per acre. Applying different fertilizers at the same rate usually requires distributor adjustment between applications.

The test sections should be of the same soil type, the same crop and should receive the same treatment throughout. The yields should be harvested separately and carefully weighed because it is often impossible to distinguish even fairly large yield differences without weighing.

Such tests are suitable for making comparisons of different lines of fertilizers offered by the same manufacturer as well as the products of different manufacturers. This makes it possible to judge fertilizers on the basis of *results given in the field* . . . the only accurate way to determine their true value.

"Doc" Thornton, widely known for his practical approach to plant food problems, combines on-the-farm experience with a thorough background in the science of agronomy. He is Director of Research, Chemical Control and Farm Service, the F. S. Royster Guano Co., Norfolk, Va., and will be glad to answer your inquiry on any farm problem you may have.

(Advertisement)

Handle with Ease

Above, grain handling is speeded up without spilling or wasting with a large, portable feed bunk. On the J. T. Dominey farm, Montgomery, Ala., a large, portable feed bunk is used as an elevator pickup point so grain can be unloaded faster.

Easier feeding without the cost of automatic feeding is possible with this cart being used by Kenneth Lockhart, Erath Co., Tex. Mounted on a single rail in the ceiling, cart is suspended in the air, can easily be pushed down the aisle of the laying house.

Tools are handy when O. M. Martin, Justin, Tex. needs to make minor repairs or change equipment. He mounted his tool box in front of steering gear. It does not obstruct vision, closes tight.

Easy feeding for a few dozen or a few hundred head of cattle. Pulled by a tractor, a train of feed bunkers on wheels carries a grain mix from grinding station to feed lots. Used by Cattle Marketers, Inc. in Louisiana.

Tray bolted to tractor frame is handy for Clement Morrow, Pilot Point, Tex. It can be removed easily, does not interfere with operation of tractor and can carry extra seed, chains, tools, oil or even Morrow's drinking water. Tray is 3 x 5 feet, can be built in farm shop.

"Fireworks" over fighting Fire Ants!

BY BILL KENNEDY

Will you have THIS

Can a farmer farm with mounds this size popping up, 25 to 40 per acre, in his fields? Like to try an expensive combine on this one?

or THIS?

This is only part of the dead wildlife state officials in Alabama say they picked up from hedge-rows around one 5-acre plot treated for ants under the present program.

Or is there another way that makes more sense?

SPEND two hours in a Deep South Wildlife Conservation office and you're apt to come out convinced that the fire ant "eradication" program is bound to wipe every quail, duck, dove, song bird, rabbit, fox, raccoon, cat, dog, etc. off all the hills and out of every branch-head in the state.

They'll show you ponds stenching with dead fish, and huge stacks of signed statements by witnesses who watched creeping, violent death sweep through fields, woods and towns alike because of poisons used to kill the lowly ant.

Or, listen to some excited folks in favor of the program and they'll have you thinking the fire ant is 10 feet long, lives in mounds a bulldozer couldn't scratch, breathes live flame and devours every living thing that moves—with a special fondness for delicacies like new-born calves and children. You'll watch your shivering back as you leave.

With government more and more guiding the hand that guides the plow, two or more agencies were bound, sooner or later, to come up on a problem from opposite sides. It happened here—with wildlife departments and entomologists choosing up sides for a fight; and with farmers lining up on both sides. That set the stage for fireworks. And they are booming.

So loud were the first howls in Texas that aerial spraying to kill ants was "temporarily" halted last fall. Rumbles sound from at least five other states. But Alabama is the hottest spot of all—there they elected to fight it out.

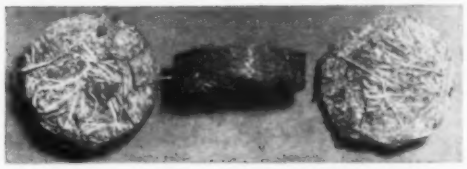
Sportsmen clubs are passing resolutions left and right; petitions are being rushed to Auburn, Montgomery and Washington; sports editors—even editors—of local papers have joined in the cry one way or another, and have added to the panic; and the Wildlife Federation is helping carry the anti-poisoning banner. Needless to say, farmers are aroused and confused.

The State Conservation Dept. is leading the resistance forces—with plenty of aid from the U.S. Interior Dept. Their cause is best summed up by Dr. E. O. Majure, M.D. at Tallasee, Ala., who is past president of the state Wildlife Federation:

"There is no question but what it (poison program) is upsetting the balance of nature . . . It is killing small animals, wild and domestic, at least up to the size of dogs. It will kill fish, too . . . although I understand they are dodging the ponds pretty well."

Ralph Allen and Charles Kelley *(Continued on page 64)*

First working field pelletizer hammers out pressed hay in wafer form. Pictures below compare the size of wafers with hay pellets manufactured in a stationary plant. The biscuit-shaped wafers take only about 40% of the storage space required by baled hay. The machine shown here isn't yet for sale.



Hay Pellets and YOU

BY LARRY MAY

WHERE can I get 'em?" Strike out across the South asking farmers about hay pellets and that is the question they often toss back. Reported tests of feeding experiments have whetted the farmers' appetite for this "newfangled notion" until they feel almost like the bridesmaid who is never a bride.

From the billowing haze this fact is beginning to emerge: There are few practical steps you can take towards a pellet feeding operation if you feed out fewer than 200 head of cattle a year.

Feeding fewer than 200 head you would have to buy the pellets from a commercial firm, and they are not yet very plentiful in most areas. Exceptions might be found in areas in southeastern and central North Carolina, northeastern South Carolina, southeastern Georgia and portions of Florida.

In other areas you might talk your local feed mill operator into installing a pelleting machine and a grinder to pulverize your baled hay. That's what researchers at the Dixon Springs, Ill. Experiment Station did to get the pellets they've been feeding for the last few years. You might even be able to get him to put in some grain and concentrate along with your hay to make a whole ration pellet. All your feed in one neat package is the newest thing in research on pelleted feeds.

In the Midwest farmers have found that a pelleting machine mounted on a truck is another way of getting pellets.

If you market 200 steers a year, building your own stationary pelleting mill may be the answer. "It would take that size operation to justify investing between $20,000 and $25,000 in the equipment you would need," estimates R. J. Webb, superintendent of the Dixon Springs station.

Webb expects to have a stationary pelleting mill in operation in a week or so. Here is the equipment he bought and is installing in a 30 by 30 foot building already at the station: pellet mill and cooler $6,500; hammer mill $3,000; storage bins $5,000; elevator $1,500; shredder $500; drag $800, plus labor and a suitable building.

Pellet mills can be obtained from at least 14 different firms. Most of the other equipment should be fairly easy to find.

Slipping into the pelleting picture on a trial basis now is a large-sized wafer that may, if nothing else, be a revolutionary new way of putting up hay, points out Webb. The machine that makes it picks up hay from the windrow, compresses it into a wafer 4 inches in diameter which it loads into a wagon. *(Continued on page 67)*

What pellets will do for . . . . .

Poultry.. *As level of higher-fiber rations was increased (up to 18% fiber), the growth response of pullets has increased.*

Hogs . . . *Pigs weaned at two weeks of age grew faster and used feed more efficiently when fed pellets. Pigs from 30-50 pounds in size showed no advantages when corn was the only grain in a pelleted ration.*

Lambs . . *90 pounds of pellets have produced as much gain as 100 pounds of meal. Pelleting timothy has increased daily gains; pelleting alfalfa hasn't.*

Steers . . *Increased daily gain over pasture. Value of grasses high in fiber is increased most when pelleted. Completely mechanizes feeding.*

Nitrogen and You

"No Help to Alfalfa"

PUTTING nitrogen fertilizer on a legume hay crop, such as alfalfa, is a waste of money, concludes E. C. Doll, Kentucky Experiment Station agronomist.

Doll used 30 pounds of nitrogen on one-acre test plot in Simpson County; 60 pounds and 120 pounds on other acre plots. "In no case was the yield of alfalfa increased," he says.

Other fertilizers *did* help though. Hay yields jumped a ton when 200 pounds of muriate of potash was applied—two tons when 120 pounds of phosphate was applied to an acre—over yields of test plots getting neither fertilizer.

Calls for thicker corn

STALK population will control the amount of nitrogen you need for corn, Doll and C. E. Wyatt, also a Kentucky Experiment Station agronomist, have found.

But there was a point where the yields weren't economical. In their test, made on silt loam in a creek bottom, the point was found to be 200 pounds of nitrogen. At that rate of nitrogen fertilization yields ran from 78 bushels to 105 bushels an acre—about the same as they got from 100 pounds of nitrogen.

When they used 100 pounds of nitrogen per acre, the agronomists were able to produce 83 bushels of corn with 10,500 plants to the acre; 95 bushels with 14,000 plants to the acre; 106 bushels with 21,000 plants to the acre.

"For maximum profits adjust stalk population to nitrogen fertilization," advises Wyatt.

Fast, cheap field tiling is possible with this equipment. With a spool for unrolling, plastic "tile", mounted on a sub-soiler standard, has been laid at the rate of 150 feet per minute.

COKER 811

STANDS

Here's a hybrid you can depend on to stand in the field until you re ready to pick it . . . after other crops are safely in, or until cash corn prices improve. Its rugged, deep-rooted stalks hold the twin ears on strong shanks for fast, clean picking. And thick, tight shucks protect the ears against weevils, birds and weather. Last year, Coker 811 again demonstrated its excellent standability and storm resistance during high winds and beating rains that flattened most other corns!

YIELDS

Any farmer who has run a corn picker through a field of Coker 811 can tell you that it really turns out the corn. But for the best proof of all, plant a trial acreage on your own farm this spring, alongside your other corn. You'll find that Coker 811 will fill the wagon faster—with better quality corn—from fewer rows, than *any other adapted hybrid you can plant!*

FEEDS

Live stock farmers prefer Coker 811, too. Its proven ability to produce very high yields of sound, bright quality grain assures them of a *dependable* supply of good feeding corn all year. Keeps well in the crib. An excellent silage corn, Coker 811 produces a high tonnage of leafy, succulent silage with a high percentage of grain. Has wide, dark green leaves with good resistance to leaf blight. Popular for hogging down, too. If you feed your corn, you need Coker 811!

ORDER COKER 811 SEED CORN FROM YOUR DEALER NOW!

Ask him about these Coker Hybrids for your farm, too:

Coker 911 — Coker 616 — Coker 66 — Coker 67 — Coker 71

Coker Hybrids are Bred Better to Be Better

COKER'S

Hybrid Corn Division

PEDIGREED SEED COMPANY

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Before you buy, get the full story on world-famous Carter's Champions . . . Chicks from blood lines producing from 275 to 356 eggs a year, eggs weighing from 24 to 30 ounces per dozen. Your choice of White Leghorns, Brown Leghorns, White Rocks or New Hampshires. Carter's Champions have 43 years of breeding and know-how behind them.

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For **all** the facts on more profitable poultry fill out the coupon below. You'll receive Carter's big, four color catalogue, twelve page booklet on The Care of Baby Chicks and 1959 Carter's price list absolutely free. Don't delay. This can be the start of more profitable poultry raising for you!

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Campho-Phenique also helps prevent spread and re-infection of pimples.

HANDY AS A THIRD HAND

Photos by Norris Jackson

Bennie Schertz built this special three-wheel trailer to help cut labor during haying. The Sanger, Tex. farmer and custom hay operator added an elevator section to his pickup baler. It loads hay into a trailer for dumping in neat eight-bale piles.

Latch holding the tailgate in place on the loaded trailer has just been released by the driver from his seat on the tractor. As tractor and rig move forward, floor of trailer is dropping and pulling tailgate open. In a few more feet the bales will begin to drop off. (Latches are above rear wheels of trailer.)

Bales are sliding off the floor, which is hinged at front and held in place by chains. Weight of the bales pushes the floor down and pulls the tailgate up. When load is off, the tailgate drops back into place, and the trailer is ready for another load of bales.

How stress protection improves egg profits per hen...

important nf-180® news for flock owners!

New concept of low-level feed medication improves overall performance—even in the best of flocks

Laying slumps caused by stress are tough to head off. Until recently, about all you could do was treat for stress after production losses showed up. And at best it was pretty much a case of locking the barn after the horse was stolen.

Now scientists have come up with a much better way of handling stress problems. It's a new "ounce of prevention" concept made possible by a superior drug called nf-180 (furazolidone).

And it works wonders! Poultry scientists at five universities and experiment stations can prove it with well-documented research data.

You continuously feed nf-180 to provide 25 grams of furazolidone per ton of complete laying ration. Even at this low level, nf-180 takes hold and works hard . . . keeps the pressure on germs 24 hours a day.

Result: The constant disease drag which causes lost production and poorer feed/egg ratios is greatly reduced. Birds are far less vulnerable to sudden slumps caused by stresses.

For dollars-and-cents proof, look at what happened in a well-managed commercial flock already at 72% production. The flock was divided . . . half fed a low-level nf-180 medicated ration, the other half left on an unmedicated ration. Improving on 72% production isn't easy . . . but nf-180 did it!

Birds on the low-level nf-180 program produced more eggs . . . and 12% more premium eggs . . . used less feed . . . and showed higher livability.

Adding it all up, they gave a net increase over medication costs of $60.00 per 1,000 hens per month.

In short: Spend a penny-a-month per hen for nf-180 . . . and get 6 cents extra profit.

nf-180 can improve your flock's well-being and profit performance, too. See your feed dealer. He can supply nf-180 medicated feed and show you how to put your flock on this new feeding concept. Or write Hess & Clark, Inc., Ashland, Ohio, for complete details on low-level nf-180 for layers.

NC-8-15

nf-180®
brand of furazolidone

HESS & CLARK, Inc.
ASHLAND, OHIO

nf-180 booster feeds for unusual stress . . . serious disease threats

If your management program makes periodic use of medicated feed more desirable, another nf-180 plan may better fit your needs. It is called "Week-a-Month" Protective Feeding and furnishes nf-180 at the level of 2 pounds per ton (.011% furazolidone). It is ideal for a booster program to knock out disease and stress troubles. Ask your dealer, or write for "Week-a-Month" folder.

By Gerald Dearing

COTTONCAST®

- *Textile production turns upward*
- *Research may cut growing costs*
- *Plant, or release cotton acreage*

THE HOPED-FOR, long-awaited upturn in textile production is in sight. The long down-hill trend in cotton consumption has been reversed and domestic mills are beginning to use the fibers in increasing quantities. For five consecutive months the daily rate of consumption has been higher than the previous month. For two months it has been higher than the corresponding month a year ago.

TIMING OF THE UPTURN is most fortunate. The success or failure of the new cotton program, which becomes effective for the first time this year, depended on matching the increased production with increased offtake. The gradual step-up in offtake should be near its best levels about the time the 1959 crop comes to market.

IF FARMERS ARE to be rewarded with acreages above the 16,000,000 acre minimum in 1961 when there no longer is a choice program, both the domestic and the export offtake must be stepped up. It now appears that the domestic offtake may be half a million bales higher this season than last. Hopes are high that, with lower prices this fall, another half million or even a million bales can be used in the 1959-60 season.

If there is a realistic export program to move cotton to foreign markets, there is no reason to doubt that the 1959 crop will move to market—and that the crops in later years will move in the same direction.

COTTON RESEARCH at the production level is being aimed at two problems: How can you cut the costs of weed control? Can weevil damage be prevented? Machines have whipped the planting, cultivating and harvesting problems. Weed and insect controls are the two costly items that have not been solved.

A speaker at a recent production conference chided the cotton industry for lack of research interest. The industry spends only four cents for research on boll weevil control for each $100 damage the bug does to cotton!

Hope is that the intensified research into weed and weevil problems will bring solutions which will reduce costs of production, thus making it more profitable for farmers to produce cotton at the lower prices which must prevail if cotton is to regain and hold its markets.

PLANT YOUR COTTON ACREAGE allotment, or turn it into the county committee so that someone else can plant it. Campaigns to impress this upon farmers are getting under way all across the belt. Unplanted acreage is lost acreage to the state and county, since future allotments are based on past plantings. The farmer who turns in his allotment gets credit for planting and loses nothing. If planted it continues in the county and state history.

This loss of acreage because of underplanting is a serious problem, so serious that legislation is being considered to take allotments away from those who fail to plant. A companion idea is that allotments be made transferable so that Farmer Smith can lease Farmer Jones' allotment and plant it on his own farm along with his other cotton. Farmer Jones, of course, would retain the allotment in future years.

FARMERS STILL UNDECIDED about Choice "A" or Choice "B" for 1959 should consider two things: Soybean support prices may be as much as 46 cents a bushel lower in 1959; the supports for milo maize will reflect the lower support prices for corn. If either of these two crops has been second choice to cotton, their attractiveness has been lessened by lower prices.

FARMERS WHO INSIST that the ginner "burn" their cotton in order to get a better loan grade are doing themselves a disservice. The resulting production is damaged to the point that mill buyers avoid it. There is no proof that the farmer benefits. The excessive loss in weight may more than offset the advantages of the higher grade.

(This page appears only in cotton-growing areas.)

HOW'D YOU LIKE TO WORK 105 HOURS A DAY?

Years back, the farmer behind a two-horse plow could do about 1.5 acres a day, the hard way. Today with a tractor-drawn plow, a farmer can easily do 21 acres a day—equal to 105 hours' old-fashioned work!

That's Better-ness—the American conviction that good enough isn't. It created the first reaper. Then the binder and tractors and combines. And all the machines that help today's 2,000,000 fewer farmers feed 30,000,000 more people—just since 1940.

Helping make this farm mechanization possible are Timken® tapered roller bearings. They are at the hub of Better-ness — keeping wheels and shafts turning smoothly.

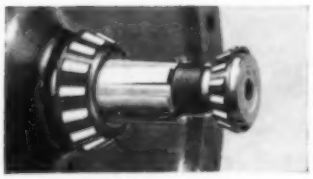
Timken bearings *roll* the load instead of *sliding* it—practically eliminate friction. Their tapered design lets them take *all* the punishing loads of farm work. They reduce breakdowns—roll longer with less maintenance.

Look for Timken bearings on the machines you buy—because Better-ness rolls on Timken tapered roller bearings. The Timken Roller Bearing Company, Canton 6, Ohio. Canadian plant: St Thomas, Ontario. Cable: "TIMROSCO". *Makers of tapered roller bearings, fine alloy steels and removable rock bits.*

Every make of American tractor uses Timken bearings—more and more implements are using them, too!

BETTER-NESS rolls on

TIMKEN® tapered roller bearings



Typical application of Timken bearings on tractor axle.

First in bearings for 60 years

Try this nationally-successful new Drouth Resistant Perennial

SORGHUM GRASS

"The most promising new forage crop to reach the U. S. since alfalfa."

Grower reports from 41 states say:

- **Ideal for grazing, hay, ensilage, green chop**
- **Rich in feed value — up to 14% protein, high Vitamin A, good sugar content**
- **No bloat problem, highly palatable, all cattle, horses, sheep and hogs love it**
- **Tremendous yields — up to 12 tons of hay, 30 tons of ensilage per acre**
- **Grows in nearly any soil from clay to blow sand, irrigated or dry land**
- **Perennial—grows for several years**
- **A real money maker for stockmen**

Try this great new forage crop from the livestock areas of Australia and New Zealand. Grows from 6 to 14 ft. high. Fine-stemmed, solid stalks are tender and sweet. Makes enormous tonnage, high in feed value.

Grazing reported up to 5 steers per acre all summer long, with gains of 2 lbs. per day. No bloat trouble, no known cases of prussic poisoning during frost in any part of the nation, among thousands of head of cattle. Dairymen report increased milk production, lower feed costs, high palatability.

Tests in Colorado produced 2 tons of dehydrated pellets per acre (equivalent to 10 tons green weight) on first cutting only 56 days after planting. Pellets analyzed 14.1% protein, 172,000 units of Vitamin A per lb.

LETTERS from all over the nation say—"Beat anything we've ever tried"—"Did everything you said it would"—"Something we've looked for all our life"—"Cattle go for it like kids eat candy"—"Grew over 6 ft. high on my worst land."

SEED costs only $2 to $3 per acre. Sow thin, plant from April to July, depending on climate. Finest strain, high altitude grown, high purity seed. ORDER NOW—Heavy demand for Soil Bank seeding in Texas and New Mexico may cause early sell-out.

SPECIAL 5-ACRE TEST OFFER, with Grower's Bulletin, (10 lbs.) Postpaid in U.S. $12.95

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WASHINGTON WIRE

From **BILL KENNEDY**

The only full-time, resident Washington editor on the staff of any farm magazine

Farm Front "Summit" Conference

YOU'VE heard of strange bedfellows! Can you imagine anybody trying to tuck Shuman of the Farm Bureau and Patton of the Farmers Union into the same crib? Either Congressman Harold Cooley is a dreamer or he aims to keep his smart from showing—because that's what he asked for at his so-called "summit" farm conference.

Remembering well how it feels to be spanked by the House of Congress when his Agriculture Committee comes up with a package nobody likes, Chairman Cooley (D-N.C.) wanted to find out ahead of time just what the farm organizations want—what they will and won't sit still for. And he wanted them to "get together."

He invited top brass from the "Big Four" to sit down with select members of the committee and "thrash out their differences." He wanted the press to know he was holding the set-to—but refused to let writers in to see first hand what happened. What happened must have been not too tasty—he said very little afterwards.

It was not "summit" across the board. (Shuman and Patton sent substitutes to fill their chairs.) But somebody was there from each organization. Present were Herschel Newsom and Roy Battles of the National Grange; Jack Lynn and John Datt of AFBF; John Baker of Farmers Union; Homer Brinkley and John Riggle of the Co-op Council; committee members Cooley, Gathings (Ark), Johnson (Wisc.), Albert (Okla.) and Hagen (Calif.)—all Democrats; and a scattering of employees of these officials. The Administration was snubbed.

They agreed to disagree almost from the start. It was a mess—Cooley started off being concerned over the $3 billion tied up in wheat loans. Then he pointed out that they had already passed rice legislation which is "satisfactory;" corn and feed grain legislation which he was and *is* against; and cotton legislation that is a "two-headed animal" (cannot be administered). At any rate, he wanted agreement that these three commodities can "rest" for the first part of this congressional session.

No such luck. Farm Bureau agreed—and the Grange would let cotton and rice alone. But neither Grange nor Farmers Union is satisfied with the corn and feed grain law. Newsom said farmers voting in the referendum were simply voting for higher corn prices—that a year from now we'll have huge supplies of grain, with lower livestock prices.

(Lynn of Farm Bureau took him to task here on grounds we were headed into that storm anyway. But the argument cleared no air.)

Cooley then asked for agreement that "nothing" is wrong with the tobacco program; he painstakingly explained that he wants "nothing" done to change it. (There was little *active* resistance here—even Farm Bureau agreed that "some form of parity" makes sense.)

Mr. Chairman ridiculed the idea that farmers are losing their freedom, as Secretary Benson has suggested; as a tobacco farmer *he* hasn't lost any freedom (still has *his* giant allotment). Cooley also expressed horror at the thought of doing away with parity as a measuring stick (Faith, Hope and Parity, of these the greatest . . .). He thinks Benson is getting bad advice.

President Newsom reiterated the Grange stand on corn and feed grains. He pointed out that the problem is not simply one of adjustment for agriculture—that farming is involved in the total picture of maladjustment in America. He does not think it can be corrected by lowering farm prices (because) we do not have a free economy otherwise. *(Continued on page 30)*

Bill Kennedy

The Accuracy You Need...
The Capacity You Want...

The *NEW* JOHN DEERE FB-B Fertilizer-Grain Drill

Planting wheat, fertilizing, and seeding grass in one economical operation with the FB-B. This illustration shows the drill equipped with rubber-tired gang-press attachment that packs the soil over the seed to speed germination.

New John Deere FB-B Fertilizer-Grain Drills give you the planting and fertilizing accuracy you must have to get top yields. The adjustable-gate fluted force-feeds—*time- and field-proved on other John Deere Drills*—meter wheat, oats, barley, rye, and many other seeds with unexcelled accuracy. New fertilizer feeds—called John Deere "Impel-R-Feeds"—are exceptionally accurate. They allow you to use small quantities of today's high-analysis fertilizer with confidence. You can place fertilizer with or separate from the seed . . . do the job the way you want it done.

The minute you open the lids on the grain and fertilizer compartments, you'll know that this is a drill with tremendous capacity . . . that you'll have fewer stops for refilling . . . that you'll actually plant and fertilize more acres every day. And here's something else, the new FB-B is regularly equipped with high-flotation wheels to reduce tracking and to "float" you right on through soft spots.

Extra-accurate feeds on the grass-seed attachment . . . faster, easier lubricating . . . a complete line of furrow openers, including Gage-O-Matic for peas and similar crops, to match soil and trash conditions . . . and a complete line of extra equipment, including Multi-Luber and anti-friction bearings, are just a few of the many features you'll enjoy with the new John Deere FB-B Fertilizer-Grain Drill.

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Farm Front "Summit" Conference

(Continued from page 28)

Homer Brinkley talked mostly about problems in basic farm marketing and concern of the Co-op Council over getting them solved. He excused himself from discussing farm programs as such; but when Cooley asked him about unlimited production for farmers to prosper, he half agreed it won't work—then hedged by saying the question can't be answered yes or no.

When Jack Lynn got the same question he took the congressmen all the way 'round the barn—said Farm Bureau is *in favor* of acreage allotments and marketing quotas. But when crowded he said AFBF *also* believes that lower prices discourage production; if not the first year, then the next or the next.

John Baker made it crystal clear that the Union agrees some with the Grange, the Committee and the Council—but not with the Farm Bureau. As far as wheat is concerned he said the Union and the Grange are together except for minor details—and that "wheat growers" favor the domestic parity concept, which both of these organizations support.

(Chairman Cooley urged that they scratch up another name for it, since "domestic parity" has been so battered and bruised—so watch for it to wear another tag when it comes back.)

Baker said his members are not satisfied with the corn program—and he demands "new legislation" at once. He also listed a number of things they are "for," including self-help dairy and turkey programs, more crop insurance, the parity formula, a permanent PL 480 (tied in with United Nations, yet), etc.

About the only time the group sang together was on extension of the Sugar Act in "about its present form" (all were in favor). They all know *something* needs to be done about wheat—but *what* to do is something else again. (Farm Bureau's plan calls for a 90%-of-market-price system of supports.)

Cooley figured there hasn't been enough crying over peanuts to be concerned about. But he did want to talk about how to get rid of on-hand surpluses. Everybody agreed to be "concerned," which probably means PL 480 will keep going. But Jack Lynn broke up this jag by rudely pointing out that what we really need is a way to "turn off the spigot."

The "Chair" wrapped it up, charging the four organizations to huddle their heads, scramble their brains and "present one view to the Congress." Cooley said (and he oughta know) that it's embarrassing to be introducing a bill and have some congressman stand up and wave a telegram from a major farm organization saying it's all hog wash.

But this won't change. Up-shot of the conference is that everybody stands pat. About all we get from it is a pointer to the issues of the fight. They'll extend the Sugar Act—and PL 480. They'll try hard to change the wheat program and struggle to leave tobacco alone.

Most other propositions will fall way short of both interest and support in Congress. But don't forget the ignored Ezra Benson—he'll be drawing a few cards himself. Loudest noise of all will be Chairman Cooley telling 'em . . . "I tried."

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User report: Carl Albright, Route 2, Amherst, Neb.

"Hog losses cut 80%...weight gains up 30%...feed costs down $650."

"We've been using AUREOMYCIN® Crumbles for about two years. Hog deaths have been cut by 80%, weight gains on each hog per day have increased by 30% and we are saving $650 annually on feed ($10.00 per hog) because we now get the animals to market 30 days sooner.

"In addition, where we used to get $1.00 or $2.00 under top market price for our hogs we now get full top price. Our hogs, on AUREOMYCIN Crumbles, are the healthiest looking I've fed in 14 years.

"Since we started using AUREOMYCIN Crumbles our money savings have been so great that we are planning to expand our hog feeding operation by adding sows and boars to breed our own herd."

AUREOMYCIN Crumbles fight disease, keep them gaining during stress periods and in the presence of atrophic rhinitis, give you earlier marketing and better carcasses — *the kind buyers prefer!*

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Take a tip from tractor dealers:

Don't start this year's farming with last year's spark plugs!

Old plugs often misfire . . . waste power and gas. Be sure of top power and economy. Put new spark plugs in all your farm engines now, before you start heavy jobs. And always use Champion spark plugs —the choice of every major tractor maker.

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SPARK PLUGS

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If you keep rabbits... feed 'em right!

Thousands and thousands of Southern farm families keep a few domestic rabbits. For some, they're a fascinating hobby. Many a youngster makes rabbits his first animal project . . . an excellent way to learn principles of feeding, management, sanitation, and breeding. But most people keep rabbits to supply delicious all-white meat for the table.

Kept right and fed right, half a dozen does can produce 600-700 pounds of meat every year. Take this much off your grocery bill and you'll see that it's just like getting a healthy pay raise!

If your rabbits aren't producing at this rate, we suggest you switch to complete Purina Rabbit Chow. Rabbit Chow contains everything known to be needed by rabbits . . . no extra hay or grain to bother with. This feature makes record-keeping easy and accurate. And Purina-fed rabbit is chuck-full of flavor for eatin' that's "fit for a king."

Purina Rabbit Chow comes in convenient 25- and 50-lb. bags. You'll find it at the feed store with the Checkerboard Sign. Pick up a bag or two this week!

PURINA RABBIT CHOW

made at 54 mills by the
RALSTON PURINA CO.
St. Louis, Missouri

Livestock Letter

the Latest First—on beef, dairy, swine, sheep

CONTROLLING FAT CONTENT OF MILK is possible if activity is controlled in the rumen of the cow, declares Dr. J. C. Shaw of the Dairy Dept., Univ. of Md. He cites tests where fat content has been held to 1.5% by feeding special diets to the cows.

FEEDER PIG SHORTAGE is the only thing holding back development of pig "parlor" business in the South, believes Guy Cassell, North Carolina Extension livestock marketing specialist.

'TAIN'T SO ABOUT PIGS. Pigs really do not balance their diets when fed free choice, say hog specialists at Va. Exp. Sta.— after looking at results of recent tests. They miss on protein percentage needed for best rate of gain.

LATEST ON PEANUT HULLS FOR BEEF CATTLE is that hulls make satisfactory roughage up to 60% of the total ration—this from tests at Va. Exp. Sta. Molasses helped with yearlings, in getting maximum use of 40% peanut hulls.

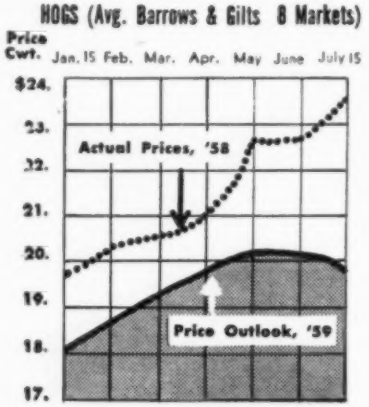
GOOD CLEAN DIRT, shoveled into pig pens each day prevents anemia in pigs, say specialists at N. C. Exp. Sta.

GRADE STANDARDS FOR LAMBS and sheep have been changed—lowering requirements for Prime and Choice grades, narrowing range for Good grade.

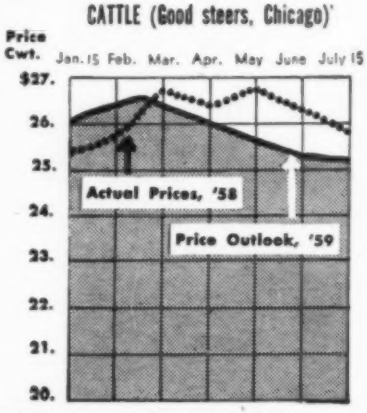
INHERITED TENDERNESS is a factor with beef if recent observation by Dr. A. Z. Palmer at Univ. of Fla. prove out in further tests. (Dr. Palmer says marbling in the meat is way over-rated as a sign of tenderness.)

LIVESTOCK PRICE REVIEW AND OUTLOOK

HOGS (Avg. Barrows & Gilts 8 Markets)



CATTLE (Good steers, Chicago)



(Note: Outlook figures are "guesstimates," not official forecasts.)

His dairy herd averaged 10,000 pounds of milk last year — and H. D. Thames got these outstanding results from his herd of 57 milkers by following a simple fertilization plan that pays off in pasture, baled surplus grazing and feed. (See complete story below.)

After spring and summer grazing: 7,000 bales of hay, 400 tons silage

AN eroded row-crop farm two years ago, the rolling Fayetteville, Ga. land now owned by H. D. Thames today produces lush, thick grazing for 57 head of dairy cattle!

In fact, Mr. Thames gets such a good stand of oats, ryegrass and crimson clover on his pasture that he puts up 7,000 or more bales of surplus grazing, *plus* 400 tons of silage. Then he sells some of his hay to buy the supplement he needs for dairy rations.

Here's the plan Mr. Thames used to renovate this land and produce such outstanding pasture:

Fertilizing according to soil test recommendations, he applied necessary lime and 400 to 500 lbs. of 4-12-12. To complete his fertilization program, he put down 120 lbs. of ammonium nitrate per acre in the fall, and 120 lbs. of ammonium nitrate in the spring.

A firm believer in the use of fertilizer, Mr. Thames will tell you, "Fertilizer to grow feed is cheaper than buying feed in a sack."

Dairy farmers like Mr. Thames have learned from experience that top dressing pasture now with recommended amounts of Spencer "Mr. N" Ammonium Nitrate can produce two to three times more grass per acre. This means that Spencer "Mr. N" can actually help double or triple the carrying capacity of your pasture! But that's not all.

Applying "Mr. N" to your pasture *right away* can also pay off in two to three weeks of earlier grazing this spring! So don't take chances on spring rains keeping you out of the fields. Top dress your pasture now and go after extra grazing *plus* earlier grazing!

Easy To Apply

You can apply Spencer "Mr. N" yourself with a broadcast spreader, so there's no time lost waiting for custom application. Made in round, uniform prills that flow freely, Spencer "Mr. N" Ammonium Nitrate will not cake or clog your spreader.

So this year, go after pasture that pays off in more pounds of milk or more pounds of beef with the brand of ammonium nitrate that's proved itself on pasture—Spencer "Mr. N" Ammonium Nitrate. Just tell your fertilizer supplier you want Spencer "Mr. N"—the ammonium nitrate in the all-plastic bag.

Make a tractor cover by heat-sealing together 24 plastic "Mr. N" bags. A ton of Spencer "Mr. N" Ammonium Nitrate gives you enough bags to make a tarp big enough to cover a haystack and worth about twelve dollars.

Unload fertilizer in the rain? Sure—if it's Spencer "Mr. N" Ammonium Nitrate in the new all-plastic waterproof bag. So weatherproof even a driving rain can't get inside. Spencer Chemical Co., Kansas City, Memphis, Atlanta. (Adv't.)

The billion-dollar spenders are after you again!

Lying in wait for you and other taxpayers is an unnecessary expense of *ten billion dollars.*

It's being set up by the most expert big spenders of *your* money—the lobbyists and pressure groups who promote the socialistic idea of federal "public power."

This ten billion dollars is in addition to *five and a half billion already spent* for federal government "public power"—all collected from you and other taxpayers.

And it's all so unnecessary! Because America's many electric light and power companies are ready and able to supply the nation's electricity needs—*without* your tax money.

What can you do about it? Plenty! The reason this wasteful taxing and spending goes on is because most of the people who pay the bills don't know about it.

Spread the word among your friends and neighbors. As soon as enough people know they are paying needlessly for federal government "public power," they will stop it.

WHEN "PUBLIC POWER" WINS—YOU LOSE! *Every time the lobby for federal "public power" pushes another government electricity project through Congress, you are taxed to pay the bill.*

America's Electric Light and Power Companies

Company names on request through this magazine

Ham and eggs

(Continued from page 16)

least 21 cents. Now it means 18 cents at best. That's what bigness has done to broilers—and what it can do to eggs just as well, believes Texas Extension Poultryman Marshall Miller. "Eventually, eggs will go in the same direction as broilers." Slower, but surely.

Lower egg prices already predicted for 1959 may speed it up. As with broiler producers, the weakest may not make it through.

There are a lot of reasons the same thing can't happen with hogs; they're so much different. But it *is* happening, some. And there's a rough price period ahead for hogs, too. The 8,000-plus pig "parlors" built between '56 and '58—which boomed hogs in several Southern states and alarmed the Corn Belt—made slop-bucket hogs obsolete and set new standards in efficiency. But can even they keep going long when top hogs are no more than 12 cents, and with the best major market outlets sealed off by contract pork suppliers? "Only the best of them," privately admit some of the feed dealers who sponsored or encouraged them. "The slipshod ones will lose more than they ever made during the good years."

There's no reason small-scale producers can't produce poultry or pork that'll be what the buyers want and with the same efficiency that big-scale producers do. But meat and egg buyers all across the country are showing too much interest in "specification" buying — contracting for their supplies, or owning their fattening pens or laying houses outright—for it to be ignored. When market supplies get heavy, the "little boys" producing odd batches of sloppy hogs or second-rate eggs may find themselves without buyers.

The answer, for many small-scale producers, may be to take another look at egg and pork contract production, or at marketing cooperatives or pools, or at making sure your present marketing outlets are well satisfied with what you're selling them.

In several issues during 1958, we told you about some of the new developments in "specification" production and selling—and some of the new ideas in "collective" marketing. We'll be telling you about more during 1959, and about more ways you can keep from being left out of poultry and red meat markets. We believe that's what you'll need to watch most closely in 1959.

Landlord-tenant: Teamship that clicks

TALK to the average farm tenant when the landlord's not around—or to the landlord in the absence of the tenant. Chances are neither one will speak kindly of the other. They just don't trust each other. A parting of the way is inevitable.

Whose fault is it? Talk to G. E. Taylor, Denton County, Tex. landowner and his farm tenant, L. L. Gother. Their tenant-landlord deal has worked well for 21 years, without a hitch and without a contract. How? Gother and Taylor have one simple formula—work together so both can make money. It was the application of this formula that converted 552 acres of once-weary wasteland into an agricultural pay-zone.

From the very beginning, both tenant and landlord agreed that the most business-like basis for farming is long-time planning. They called for a complete inventory of land capability, by technicians of the Denton-Wise County Soil Conservation District. From the inventory they planned a program of sound land use, the best combination of conservation practices, with a profitable cropping system.

Says Gother: "A good tenant hits the ball, works the land right, is honest with his landlord and helps build a better community." Says Taylor: "But you've got to fix it where the tenant can get returns for his labor."

In keeping with this idea, Taylor joins with the tenant in ownership of the cattle and sheep on a 50-50 basis. All feed and profits are split the same way, as well as losses. The tenant furnishes the labor. The landlord also pays one-third and one-fourth of the fertilizer and insecticide costs—same as his share of crops—and in addition, one-half of the legume and grass seed, including seed for King Ranch bluestem, little bluestem and big bluestem for the 40 acres of waterways.

Taylor explains: "I bought this farm as an investment that would bring me a reasonable return on my money over a long period of time. I don't expect it to make a living for both the tenant's family and mine. We would have to mine the soil if it did, and that would hasten the destruction of the farm and good tenant-landlord relations." He adds, "No landlord should expect more than a fair return from money invested in land."

It's Taylor's belief that a good tenant is as important as good land, and that good housing and improvements are very necessary in getting and keeping a good tenant. "Nobody," he says, "can be content under a leaky roof, and in a dark, gloomy, unpainted house." He therefore pays all costs of maintaining the farm dwelling and other buildings, including labor.

As proof of the success of this tenant-landlord arrangement, cotton yields have climbed from one-fourth bale per acre to nearly one bale per acre. Wheat yields have been increased from about 12 bushels to 36 bushels per acre, and other crops accordingly. That's a pretty fair return for both of them. —*H. L. Gantz*

Hi-D®...the only granular ammonium nitrate!

Give your land the helping hand of Hi-D. Hi-D is better than any other ammonium nitrate. High in density and super-dry, it's so easy to handle – always flows freely – won't clog, cake or bridge in the spreader. And you can get up to 20% more in the hopper. This year let these 33.5% nitrogen granules for supplementary feeding help you. Made by COMMERCIAL SOLVENTS CORP.

THE *BEST* SOLID NITROGEN!

FRUITFUL UNION

First year's record: a whole new family of farming "firsts"!

When Massey-Harris know-how on *combines* teamed up with Ferguson *tractor* know-how under the new Massey-Ferguson trademark a year ago, good things for you had to happen . . . and did.

This union of engineering talent has proved a fruitful one, indeed. From it has come the new Massey-Ferguson 65, the first 4-plow Ferguson System tractor. The new Ferguson 35 Diesel, the first tractor with all Ferguson System operating advantages plus Diesel economy. Another first: the new Massey-Harris 35 combine with grain table or corn head . . . the lowest priced self-propelled combine for all family-sized farms. And more "firsts" are coming in 1959, to join the big new Massey-Ferguson line.

For an idea of the scope and variety of this great Massey-Ferguson line now, turn the page.

NEW YEAR... NEW SCOPE

Look, compare . . . you'll be a Massey-Ferguson man!

Spread out before you is just a part of the new *big* line of Massey-Ferguson equipment that will help you make 1959 your most profitable farming year.

This bright panorama reveals something important to every American farmer. It tells you that the advanced engineering that has made Massey-Harris combines and Ferguson System tractors world-famous is now available to you in equipment for practically *every* type of mechanized-farming operation. And . . . there's even more to come in 1959!

Study this picture. You'll see the world's only tractors with the never-equalled Ferguson System, combines that are undisputed champs of any harvest, grassland equipment that produces more and better hay in less time. Advanced mechanized equipment of *every* kind!

In 1959 more than ever before, the new *big* Massey-Ferguson line is the one you must be sure to see, *whatever* your mechanized-farming needs may be. Your local Massey-Ferguson dealer is the place to find out more about it. This year we're saying more confidently than ever before: "Look, compare, and you'll be a Massey-Ferguson man."

Now it's ***MASSEY FERGUSON***

Massey-Ferguson Inc., Racine, Wisconsin

Pace-Setter of Modern Farming . . .
World's Most Famous Combines and the Only Tractors with the Ferguson System

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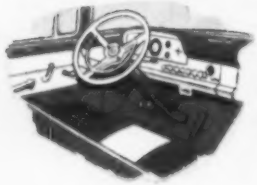
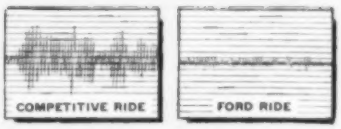
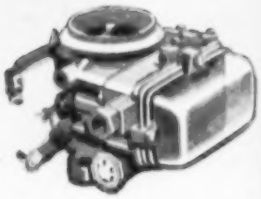
NEW FORD F-600. Tougher than ever for '59, with new internal-shoe parking brake for greater safety, high-capacity service brakes for longer life and widest choice of Short Stroke power—modern Six or two new, powerful V-8's!

NEW STYLESIDE PICKUPS. Extra-capacity, cab-wide box is heavy-gauge welded steel with husky, wrap-around rear corners. Available also in 4-wheel drive models, early 1959.

For the thriftiest six by a







NEW TWO-TON TOUGHNESS. On Ford's new F-600s you have an option of a new 6,000-lb. front axle for even longer service life, greater payload capacity. Heavier parts throughout reduce maintenance costs. They're the toughest two-tonners on the road . . . or *off* the road!

NEW CAB INTERIORS. Custom Cabs offer car-like luxury with 2-color styling on dash and door panels, chrome-trimmed instrument cluster, convenient hornring and nylon-saran upholstery fabric designed for the roughest abuse. Foam rubber in seat cushion is full 5 inches thick!

NEW SMOOTHER RIDE. Ford's suspension smooths the roughest roads to produce a ride that's mighty close to that of a car. Scientific Impact-O-Graph ride tests, measuring even the smallest bumps, prove Ford gives you the smoothest ride of *any* standard ½-ton pickup! Try it and see for yourself!

NEW ECONOMY CARBURETOR. Ford's modern Short Stroke Six features a new economy carburetor which meters fuel more precisely, in both low and high-speed ranges. Combined with the inherent economy of Short Stroke engine design, it really puts extra miles between stops at the gas pump!

Every Ford has SAFETY GLASS in every window

country mile...

GO FORD-WARD

When it comes to cutting costs, Ford really gives you an edge. It begins with America's only Six with economical Short Stroke design. Pistons travel less, friction is cut, power and gas mileage go up. And with it is a new economy carburetor that stretches mileage even further!

Fords are built to slash maintenance costs, too. The evidence is everywhere—in high-capacity brakes, heavier springs, stronger axles, extra toughness everywhere to keep your truck out of the shop and on the job. Small wonder that independent insurance studies prove, for the 13th straight year, that Ford trucks last longer!

First chance you get, talk over your truck requirements with your local Ford Dealer—see how much you can save when you go *Ford*-ward!

Go *Ford*-ward for savings

FORD TRUCKS COST LESS

Less to own... Less to run... Last longer, too!

THE MAKER'S NAME IS ON THE BOX

This handsome telephone is probably the best way of introducing you to Western Electric.

For we at Western Electric are makers of Bell telephone equipment—from the phone in your home to the wire, cable and dial switching equipment needed when you make a call.

Producing dependable telephone equipment for your Bell telephone company . . . that's Western Electric's main job as the manufacturing and supply unit of the Bell Telephone System.

Western Electric

Western Electric **manufacturing and supply unit of the Bell System**

What a sight for a hungry crowd! For those important but informal get togethers of friends and family, serve beans, salad, relishes and this tasty "Long Sandwich."

The easy-to-make, easy-to-serve dishes below are Shrimp Boat Sandwich (left), Chicken Salad Au Gratin (top) and Ham-Asparagus Sandwich.

Kingsized Sandwiches

WE agree that two slices of bread with something in between is a sandwich . . . But a sandwich that really rates is a super one that's almost a meal in itself.

Shrimp Boat Sandwich

- 1 cup chopped cooked shrimp
- 1 cup tuna flaked
- ½ cup chopped stuffed olives
- ¼ cup finely chopped celery
- 2 teaspoons lemon juice
- 3 drops Tabasco
- ⅔ cup mayonnaise
- 6 (1-inch) diagonal slices Vienna or French bread
- 3 tablespoons soft butter or margarine
- 18 whole cooked shrimp
- 6 small stuffed olives
- 12 green pepper strips

Combine first eight ingredients, toss well. Spread butter or margarine on one side of each slice of bread. Spread about ½-cup of mixture on buttered side of each slice of bread. Garnish each sandwich with 3 shrimp, a stuffed olive and 2 green pepper strips. Makes 6 sandwiches.

Chicken Sandwich Au Gratin

- 1 cup chopped cooked chicken
- ½ cup chopped celery
- ¼ teaspoon salt
- 2 tablespoons chopped pimiento
- 1 teaspoon lemon juice
- 2 drops Tabasco
- ¼ cup mayonnaise
- 6 (¾-inch) slices French bread
- 2 tablespoons soft butter or margarine
- 3 slices cheese

Combine first seven ingredients, toss well. Spread butter or margarine on one side of each slice of bread. Spread ¼-cup chicken salad on buttered side of each slice of bread, cut cheese in half crosswise. Put one-half slice of cheese on top of each sandwich. Place sandwiches on baking sheet—spread side up, place in oven 5 inches from broiler unit and broil for 5 minutes or until cheese melts. Makes 6.

Long Sandwich

Slice one long loaf of bread down almost to bottom crust. Butter each slice on both sides. Put one slice of ham or bologna, rolled; one slice cheese, folded in half; one slice of tomato and one slice of dill pickle into each cut section of loaf. Place loaf on aluminum foil on a baking sheet. Bake in a hot oven (400°) for 10 minutes. When ready to serve, slice bread between filling sections to make sandwiches.

Ham-Asparagus Sandwich

- 4 (1-inch) diagonal slices Vienna or French bread
- 2 tablespoons soft butter or margarine
- 16 spears cooked or canned asparagus
- 4 slices boiled ham
- 4 slices cheese

Spread butter on one side of each slice of bread. For each slice of bread, wrap 4 asparagus spears in slice of ham, place on buttered side of bread. Cut each slice of cheese in half diagonally, cover each ham-asparagus roll with 2 overlapping triangular slices of cheese. Place sandwiches on baking sheet—spread side up, put in oven 5 inches from unit and broil for 5 minutes or until cheese melts. Serves 4.

SARDINES
MAINE

Look what you can do with Sardines!

YOU like sardines, just about everybody does . . . But just about everybody serves sardines as they are, or as a sandwich filling. How do you serve them? There are many tasty ways—from appetizers to main dishes—to prepare and serve sardines. They are packed in several oils—soya, cottonseed or olive, and in tomato sauce, and mustard dressing. Here are recipes for main dishes for luncheon or supper.

Sardine-Noodle Casserole

- **2 cups cooked noodles**
- **2 cans sardines in tomato sauce**
- **1 can condensed celery or tomato soup undiluted**
- **4 drops Tabasco — optional**
- **½ teaspoon monosodium glutamate (MSG)**
- **1 cup grated American cheese**

Put half of cooked noodles in well-greased quart casserole. Top with half of soup, 2 drops of Tabasco. Sprinkle on ¼ teaspoon MSG and half of cheese. Repeat, using remainder of ingredients. Bake at 375° for 25 minutes or until bubbling hot. Serves 4.

Chef's Sardine Salad

- **2 tablespoons toasted sesame seed**
- **2 quarts crisp mixed salad greens broken into pieces**
- **¼ pound Swiss cheese cut into slivers**
- **1 can sardines**
- **4 slices white onion separated into rings**
- **½ Calavo—cut in strips—optional**
- **French dressing**
- **Salt, if desired.**

Toast sesame seed by spreading on cookie sheet and roasting at 325° for 20 minutes. Cool. Put greens in salad bowl, arrange cheese, sardines, onion and Calavo in sections. Sprinkle sesame seed on top. Pour French dressing over all, toss lightly until well mixed.

Sardine Tomato Surprise

- **6 medium size tomatoes**
- **2 cans sardines***
- **1 teaspoon lemon juice**
- **½ teaspoon prepared mustard**
- **4 level tablespoons mayonnaise**
- **½ teaspoon salt**
- **¼ teaspoon ground black pepper**
- **¼ teaspoon monosodium glutamate (MSG)**
- **½ cup chopped celery**
- **2 tablespoons chopped stuffed olives**
- **2 chopped hard-cooked eggs**

Remove stem end of each tomato, scoop out pulp. Break up 1 can sardines. Combine with all the other ingredients and tomato pulp. Toss well. Stuff tomatoes. Chill, serve on lettuce and top with whole sardines.

* If sardines in mustard dressing are used, omit mustard and 2 tablespoons of mayonnaise.

Deviled Sardine Bake

- **3 tablespoons margarine or butter**
- **3 tablespoons flour**
- **½ cup milk**
- **2 cans sardines in mustard dressing**
- **1 cup soft bread crumbs**
- **1 tablespoon Worcestershire sauce**
- **2 teaspoons horseradish**
- **2 drops Tabasco**
- **½ teaspoon monosodium glutamate (MSG)**

Melt margarine in saucepan over low heat. Stir in flour, form smooth paste, add milk, stirring. Cook, stirring constantly until sauce is thick. Mash sardines with exception of 4 in dressing from cans. Combine mashed sardines with bread crumbs, Worcestershire, horseradish, Tabasco, MSG and white sauce. Put into 4 well-greased individual baking dishes. Bake at 400° for 8 minutes. Put a sardine on top of each baking dish and bake for 2 or 3 minutes longer.

This Lima-Pork Chop Stew is an easy-to-make dish that will be one of your favorite automatic skillet recipes.

By

Eleanor Halderman

Fry Pan Pin-ups

SOMETHING wonderful has happened to Grandmother's old iron skillet. Those tedious, watch-pot, meal-making hours have turned into carefree moments of automatic cooking. Today you merely plug in the handy automatic fry pan, whip up a quick recipe, set the control dial, and forget the meal until the timer bell rings.

Small wonder the electric fry pan is taking its place in the modern kitchen, along with the automatic coffee maker and the toaster. No longer do we tuck it out of sight when not in use. Its smart design in a wide range of materials adds beauty as well as convenience to any kitchen. Best of all, the newer models can be dunked in the dishpan for easy clean-up.

Automatic fry pan cookery should include much more than old stand-bys such as fried potatoes, eggs, bacon and French toast. It's tops for stew, pot roast and steamed foods—even French frying and some baking.

Why not start a collection, today, of easy-do skillet recipes? You'll find a whole new world of wonderful, meal-making ideas. Here are just a few of our favorite fry pan pin-ups to start you on your way.

You'll serve perfect pancakes like these every time when you use an easy automatic fry pan.

Lima-Pork Chop Stew

- 6 medium-thick pork chops
- 2 tablespoons shortening
- ¾ cup water
- 1 cup thinly sliced celery
- ½ cup diced onion
- 2 packages (10-oz. size) frozen lima beans, partially defrosted
- Salt and pepper
- 1 can cream of mushroom soup

Preheat fry pan to 350° and add shortening. Lightly brown chops on both sides. Sprinkle lightly with salt and pepper. Reduce heat to 250° and add water, celery, onion, limas and additional salt and pepper, if needed. Cover and let simmer for 25 to 30 minutes, until vegetables are tender. Gently stir in the soup and heat through. (If very tender chops are desired, let chops simmer in water a few minutes longer before adding the vegetables.) Makes 6 servings.

Cherry-Nut Cobbler

- 1 can (1 lb.) cherries
- 1 cup sugar
- ¼ cup butter
- 1 egg
- ¼ cup brown sugar
- ¾ cup milk
- Few drops almond extract
- 2 cups biscuit mix
- ¼ cup chopped nuts

Set fry pan control at 300°. Add cherries, sugar, and butter. While sugar dissolves and butter melts, prepare cobbler batter. Beat egg with brown sugar. Stir in milk and almond extract. *(Continued on page 53)*

ONLY SPEED QUEEN

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STAINLESS STEEL

designed and built for lowest cost family service . . .

Speed Queen Dryers are available in both Electric and Gas models

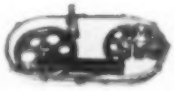
Always a smooth, sparkling surface to protect your clothes

Plus many other special benefits like these:

AUTOMATIC LINT-E-JECTOR
Speed Queen's flotation rinse causes lint and dirt to float over side of tub and down drain. (Not pumped back into tub.) Final rinse water is crystal clear.

RINSE CONDITIONER
Softeners or other conditioners can be added automatically to the rinse water. Merely fill the dispenser at beginning of cycle. Handles powder or liquid.

WASH 'N' WEAR SWITCH
Just flip the switch and your Speed Queen is all set for laundering wash-and-wear garments.



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This is Speed Queen's famous Arc-cuate transmission — industry's most trouble-free. Carries 5 year guarantee.

SOAP SAVER
All water, before entering tub, is aerated so that soaps or detergents are "dispersed" faster. This reduces the amount of soap needed.

HINGED TOP
By merely removing 2 screws, top can be flipped forward as shown. All controls are exposed for easy access. Not necessary to pull washer away from wall. Dryers have the same hinged-top feature.

See your Speed Queen dealer or for literature write —

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A Division of McGraw-Edison Co.
Ripon, Wisconsin

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famed for dependability

Stout WOMEN

Biggest SELECTION
Latest FASHIONS
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STYLE BOOK
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SAVE MONEY on the latest styles in dresses and coats, Sizes 38 to 60, proportioned by experts to fit you gracefully. All at really LOW prices.

$3.98

Charming border print Dress of washable 80-square Percale—only $3.98. Others $2.98 up. Also coats, suits, sportswear, shoes, underwear.

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Write today for our New FREE Book that gives facts that may save you painful, expensive surgery. Tells how **non-surgically** you may again work, live, play, love and enjoy life in the manner you desire. Write today—Dept. H2605

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8201—Youthful suntimer with bold contrast. Sizes 10 to 20. Size 12, 32 bust, 4⅛ yards of 35-in.; 1 yard contrast.

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34-48

8265—Off-center closing highlights a smart all occasion frock. Sizes 34 to 48. Size 36, 38 bust, short sleeve, 5 yards of 35-in.

8235
12½-24½

8235—Neat button fronter—a half-size special! Sizes 12½ to 24½. Size 14½, 35 bust, 4½ yards of 39-in.

8253
12½-26½

8253—Complete it in a few hours—it's sew-easy! Sizes 12½ to 26½. Size 14½, 35 bust, 3 yards of 39-in.

8212
12-42

8213
3-8 yrs.

8212 & 8213—Princess look-alikes are so pretty, fun to sew. 8212 is in sizes 12 to 42. Size 14, 34 bust, sleeveless, 5⅜ yards of 35-in. 8213 is in sizes 3 to 8 years. Size 4, sleeveless, 2⅛ yards of 35-in. Two patterns, 35¢ each.

NEW AND EXCITING FASHION Spring & Summer '59 is ready for you! 35 cents.

Send 35 cents for each pattern to FARM AND RANCH, Pattern Dept., 367 West Adams St., Chicago 6, Illinois. Do not mix orders for these patterns with orders for patterns on other pages.

Roses . . . the fairest of them all

By Lauragene Parker

ROSES aren't as difficult to grow as most folks think. Proof is in gallantly blooming ones you've seen in deserted gardens—or around an empty house in which no one has lived for months!

If your regular soil grows good grass, shrubs and other plants, more than likely it'll grow good roses. Most soils, however, can be improved by adding some organic matter, 2 to 4 inches of peat, leafmold, or well-rotted cattle manure. Good drainage is absolutely essential.

Examine your roses the minute they are received. If the roots appear to be dry, soak them in water for several hours; and if you can't plant immediately, place the plants in a shallow trench and heel them in with moist soil. When you are ready to set them out, plants should be moved to the planting ground in a bucket with their roots covered with water.

Make the planting holes large enough to accommodate plants' natural root spread (usually about 12 inches deep and 18 inches in diameter). Set the plant over a raised cone of soil in center of hole. Be sure the roots fan down sides. In moderately mild climates, set so that the union bud will be about 1 inch above level of surface (1 or 2 inches below in cold areas). Usually you can see the depth where the bush was planted in the nursery. Set it at the same depth. Check for broken root ends and clip before filling the hole with soil.

When the roots have been covered and the soil firmed to eliminate all air pockets, flood the hole with water and jostle the plant a little to help get it settled. Then finish filling the hole, leaving a slight depression around the bush to serve as a catch basin for future watering and rain.

More often roses are overfed rather than underfed. Probably the best source of the elements they need for good growth (except for calcium and iron) is the complete commercial fertilizer. Apply it several times during the growing season starting when the new shoots reach a height of about 4 inches. A heaping tablespoonful for each plant, or 3 pounds per 100 square feet of surface is a proper amount to use. Scratch it into the soil, then water. Don't feed roses after the middle of August because new growth will be stimulated and will keep the wood from hardening before winter sets in.

If you don't want a bramble patch, you'll have to prune your roses to (a) improve their appearance, (b) to remove dead wood, (c) to control the quality of flowers produced. Bush roses are pruned in early spring; tree roses often have to be pruned during their flowering season; and the hardy ramblers need to be pruned just after they have flowered. The everblooming climbers should be pruned less severely and shrub roses should be pruned after the blooming season.

Manufacturers of insecticides and fungicides have taken much of the bothersome trouble out of rose culture. A weekly use of these specially-prepared liquid sprays or dusts is your best prevention against pest trouble.

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Collectors' Items

Diets may come and diets may go
And some will really work you know.
But when it comes to chocolate—
I surrender!
Just one taste—and I'm on a "bender"

I really do try to diet now and then. But—since fudge in the freezer and chocolate sauce in the ice-box are standard equipment—like butter and eggs—at my house, it is a little difficult. My dieting usually means using low-calorie ice cream with the fudge sauce!

I think this chocolate business started in my early youth. I recall mixing sugar and cocoa then, and eating as is. Of course as I grew older, my chocolate taste became more discriminating. I still often have to settle for a Hershey bar on a trip. However, on car trips, a tin box of fudge (for which I'm giving you the recipe) invariably goes into the car along with the suit-cases and hat boxes.

In case there are other members (surely, I'm not alone in this) of the "Can't Resist Chocolate Club," I'm giving you some recipes that should be right down your alley.

Little Rock Fudge

- 2½ squares unsweetened chocolate
- 2 cups sugar
- ½ cup milk
- Hunk of butter—size of a walnut
- Big pinch of salt
- ⅓ cup white corn syrup
- 1½ teaspoons vanilla
- ½ cup broken pecans

Combine all ingredients except vanilla and nuts, in an iron skillet. Bring slowly to a rolling boil—stirring constantly. When it reaches a rolling boil, cook 2 minutes *only*. Remove from heat immediately. Add vanilla and nuts. Let cool until luke-warm. Beat until very thick and creamy. Pour into buttered pan. (This may be frozen.)

Fudge Dessert

- 4 eggs
- 2 cups of sugar
- ¾ cup melted butter (1½ sticks)
- 2 heaping tablespoons cocoa
- ½ cup sifted flour
- pinch of salt
- 1 cup broken pecans
- 1 teaspoon vanilla

Beat eggs well, add sugar, beat well, add cocoa which has been dissolved in melted butter. Add sifted flour and other ingredients. Pour in unbuttered pan and put that pan in another pan of water. Bake about 45 minutes (until crisp on top) at 350°.

This will turn out to be like very thick sauce at the bottom and crispy on top.

Cut in squares and serve with a scoop of vanilla ice cream on top of each serving.

Chocolate Sauce

1 cup sugar
2 tablespoons cocoa
2 tablespoons butter
⅞ cup condensed milk
1½ teaspoons vanilla
Pinch of salt

Combine sugar and cocoa and stir over low heat for about 2 minutes. Do not let sugar melt. Add butter and blend. Add milk, increase heat and stir constantly. Allow to boil one minute only. Remove from heat and add vanilla.

Fudge Pie

1 stick of butter
¼ cup flour
2 eggs
2 squares unsweetened chocolate
1 cup sugar
pinch of salt
1 teaspoon vanilla

Melt butter and chocolate in a saucepan over low heat. Mix the flour, sugar and slightly-beaten eggs. Add the chocolate and butter mixture, salt and vanilla. Pour into pie pan. Bake at 350° until firm to the touch. Watch carefully. Do not overcook. Cut into pie-shaped pieces. Serve with a scoop of vanilla ice cream on top.

Chocolate Crust Dessert

Melt one 6 oz. pkg. of sweetened chocolate chips and ½-stick of butter in double boiler. Stir until smooth.

Allow to cool to luke-warm, then add 2 cups of Rice Crispies and a pinch of salt.

Pour mixture into a buttered glass pie pan and shape as you would pie crust. When this has set and is firm, fill center with vanilla ice cream. Smooth ice cream out as you would a pie filling. Place in your freezing compartment or deep freeze until ready for use.

Iced Fudge Cake

Fudge cake

1½ cups sugar
¾ cup cocoa
1 cup flour
1 stick of butter
2 eggs, beaten
1 teaspoon vanilla
½ cup broken pecans

Mix sugar, cocoa and flour. Add chopped up butter. Mix thoroughly. Add beaten eggs, vanilla and nuts. Grease pan generously. Bake at 350° for about 20 minutes. Remove from pan immediately.

Icing For Fudge Cake

Melt 3 squares of unsweetened chocolate with ¾ stick of butter. Add 1 teaspoon vanilla, 1 lb. of confectioners' sugar and pinch of salt. Mix thoroughly. Take 1 cup of coffee and add enough to mixture to make it spreadable.

—Carolyn Anderson

Prize-winning cook makes **Tuna Pizza** *from Yeast and Bisquick*

"It's a delicious new idea for Lent," says Mrs. Maurice O'Dell, prize-winning cook of Lancaster, Texas. "And so easy! You just add Fleischmann's Yeast to Bisquick® and get real Italian pizza crust. There's no rising, no fuss. And when you top that thin, crispy crust with Star-Kist Tuna, mushrooms and tomato sauce . . . it's the best pizza this side of Naples.

"Just be sure to make your crust with Fleischmann's Active Dry Yeast, the kind we prize-winning cooks use. It's so fast and easy . . . and keeps for months."

Tuna Pizza

¾ cup warm water (not hot—105 to 115°)
1 pkg. Fleischmann's Active Dry Yeast
2½ cups Bisquick
¾ cup chopped onion
2 cups tomato sauce
8-oz. can mushrooms, sliced and sautéed in Blue Bonnet Margarine or butter
6½-oz. can Star-Kist Tuna, drained and flaked*
salt and pepper to taste
2½ cups grated Cheddar cheese, oregano
**9-oz. family size can may be used if desired*

Dissolve yeast in warm water. Add biscuit mix; beat vigorously. Turn dough onto surface well dusted with biscuit mix. Knead until smooth, about 20 times. Divide dough into 4 parts. Roll each part paper-thin into a circle, about 10 inches in diameter. Place on ungreased baking sheets or in shallow pie pans. Press to make edge of circle slightly thick.

To make filling: Mix onion, tomato sauce, mushrooms, tuna, salt, pepper; spread on dough. Sprinkle grated cheese over all. Sprinkle with oregano to desired taste. *Heat oven to 425°* (hot). Bake *15 to 20 min.*, until crust is brown and filling hot and bubbly. Serve immediately.

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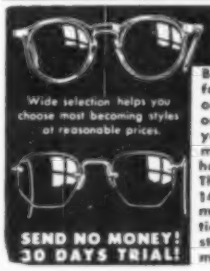

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Fry-pan Pin-ups

(Continued from page 46)

Combine the biscuit mix with the brown sugar. Stir in milk and almond extract. Combine biscuit mix with nuts. Blend in liquid mixture and beat 20 to 30 strokes. Spoon over hot cherries. Cover and bake for 40 to 45 minutes. Batter should test "cake" done. Open vent last 5 minutes of baking time to allow top to dry. Serve warm with cream. Makes 6 servings.

Barbecued Spareribs

- 3 lbs. spareribs, cut into individual servings
- 2 tablespoons shortening
- Salt and pepper
- ¼ cup chopped onion
- 1 cup water
- 1 cup catsup
- 2 tablespoons soy sauce
- 2 tablespoons brown sugar
- 2 tablespoons prepared mustard
- Dash of garlic powder

Brown ribs in hot shortening at 350°. Sprinkle lightly with salt and pepper while browning. Add onion and barely brown. Stir in remaining ingredients, cover and let simmer for 1½ hours until ribs are tender, turning occasionally. Makes 6 servings.

Fry Pan English Muffins

- 1 can refrigerated biscuits
- ¼ cup cornmeal

Measure cornmeal into shallow pan. Remove biscuits from can and flatten slightly. Coat biscuits on both sides with cornmeal and let set a few minutes. Preheat fry pan to 300°. Place biscuits in pan and bake, covered, for about 7 minutes on each side. They should be lightly browned. Serve, hot from the pan, with butter and marmalade.

Whole-Meal Stew

- 1 slice ready-cooked ham
- 1 tablespoon butter
- 2 medium onions, sliced
- 1 can (1 lb.) green beans
- 3 medium-size potatoes
- Salt and pepper
- 3 tablespoons chili sauce

Preheat fry pan to 300°. Cut ham slice into narrow strips and brown lightly in butter. Add onion slices and cook 2 or 3 minutes. Add undrained beans, quartered potatoes and seasonings. Reduce heat to simmer and cook, covered, for 25 to 30 minutes or until vegetables are done. Serves 6.

Pancake Variety

Make your own standard recipe or make pancakes with a mix. Vary them in a dozen ways. Blend a cup of grated cheese with the flour. Brown a cup of hamburger, lightly, and fold into the batter. Try adding shredded, chipped beef. Fold in drained blueberries or cherries. Just before turning the pancakes, slice bananas or fresh strawberries over the unbaked top, then turn and finish baking.

Preheat your fry pan to 375° before you start baking, then experiment with the control dial to find the just-right setting. Thickness of batter and size of cakes will make slight changes in temperature and baking time necessary.

Pot Roast With Rice

- 2 tablespoons shortening
- 4 pounds lean chuck roast
- 3 teaspoons salt
- Garlic powder (optional)
- ¼ teaspoon pepper
- 1 cup water
- 1 cup uncooked rice

Preheat fry pan to 350°. Add shortening. Brown pot roast well on both sides, seasoning with 2 teaspoons of the salt and the garlic powder and pepper. Add the water and cover. Reduce the temperature to simmer and cook for 2 hours or until the meat is almost tender. Add rice, remaining salt, and additional water, if necessary. Cover and continue cooking until rice is done, about 40 minutes. Makes 6 generous servings.

Fry Pan Pointers

- Use your own direction book as a guide to correct temperatures for stewing, simmering, frying and baking. Fry pan sizes vary, so become familiar with what your own pan will do.
- Don't put your fry pan away—keep it within easy reach and use it morning, noon, and night. Don't forget the little jobs it can do—warm breakfast rolls and doughnuts . . . reheat frozen pancakes and waffles, at baking temperature . . . even bake a frozen meat pie, set at high.
- Soggy crackers? Cereal? Potato chips? Give them a fry pan crisping. Just line the pan with 2 or 3 layers of foil. Set control at very low (100° to 150°) and dump in the limp offenders. Let them re-crisp for 15 or 20 minutes—vent open, of course.
- Experiment with your recipes and try making new ones from old ones. Vary the vegetables in the stew . . . vary the meat. Substitute different fruits in the cobbler. Try baking potatoes . . . on a rack . . . foil-wrapped . . . with vent open . . . with vent closed. Experiment with baking apples . . . squash . . . sweet potatoes.
- Every time you start cooking ask yourself "Could I do this in the fry pan?" If you think it will work, try it! Soon you'll find this handy, automatic appliance will more than pay its way in meal-making convenience and goodness.

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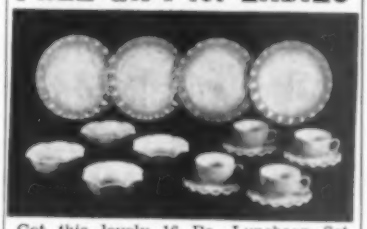

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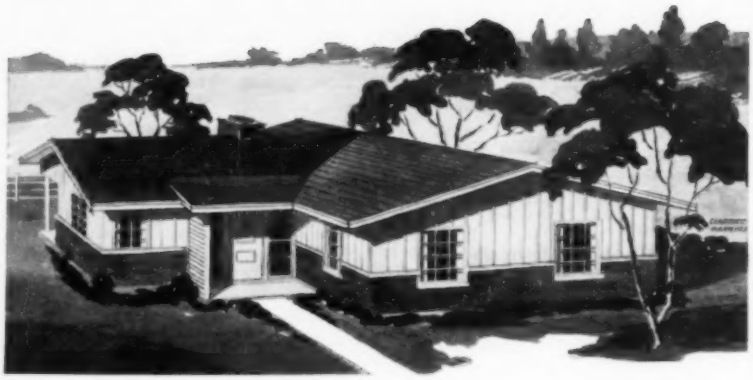

FARM AND RANCH House Plan No. 123 can well be described as compact and livable. This home has been arranged to give the utmost in space, comfort and utility for a minimum cost. The kitchen-dining-living area is arranged for family living and can be used for entertaining larger groups.

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HOUSE PLAN NO. 123

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BY PRICE HOBGOOD

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Porch: 235 sq. ft.
Length: 45'-0"
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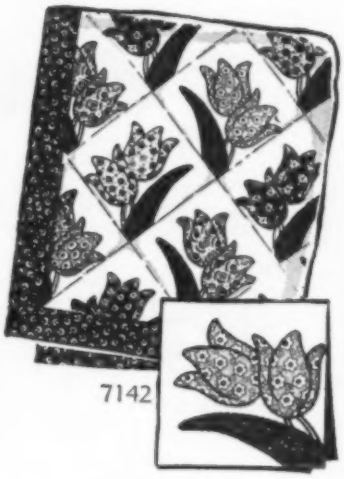

554—Cotton-cool for summer playtime. Trim with ruffles, embroidered "birdie" pocket. Pattern, directions for child's Sizes 2, 4, 6, 8 included. Embroidery transfer.

7142—Gay tulip quilt in easy applique. The more varied the colors, the prettier it will be. Beg and trade scraps with friends! Pattern of patches, directions.

717—Three little doilies in quick 'n' easy crochet. Directions for 8 x 13-inch oval doily; round and square are each 9 inches. Use No. 50 cotton.

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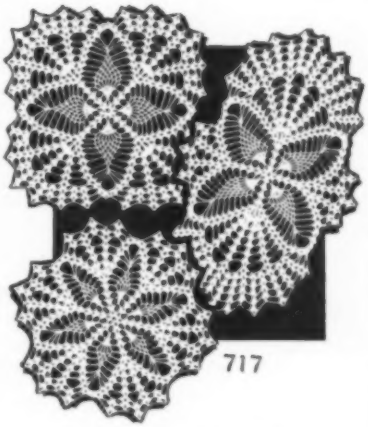
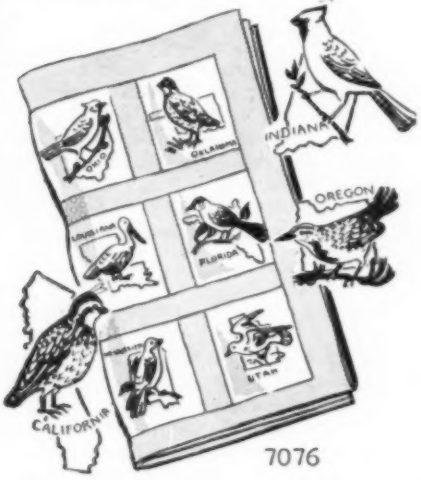
7076—A quilt to treasure, and perfect for those who love birds. Forty-eight state birds are shown in life-like design. Diagrams, embroidery transfers. Quilt 72 x 102 inches.





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What to do about . . .

8 of the Worst

FLEA BEETLE, common pest of many field crops, also attacks many vegetable crops, such as radish, turnip, beets, cabbage, eggplant, sometimes tomatoes and potatoes. There are many species, such as potato flea beetle, cabbage flea beetle, etc. Most are black, brown or striped, about 1/16 inch long, jump about.

Young plants, especially transplants, severely damaged by beetles eating on leaves, sometimes making them appear shot full of holes.

USDA recommendations for control include 5% DDT dust or spray before formation of parts of plants that are to be eaten, rotenone (¾%) or methoxychlor (5%) later than that. Some other insecticides may also be effective.

PEA WEEVIL (shown) and COWPEA CURCULIO are very similar. Adult pea weevil (which attacks garden peas) is brownish with white, black and gray markings. It's about 1/5 inch long. Cowpea curculio is rare except in Gulf Coast and lower Atlantic coast states. It's black, humpbacked, about ¼ inch long, with long snout. Both eat small holes in peas and pods.

For weevil, USDA recommends rotenone dust applied to pea plants in infested fields after blossoming begins; for curculio, spray or dust with methoxychlor not later than one week before picking. DDT (5%), methoxychlor (5%) or malathion (4%) also included in USDA recommendations for weevil. Methoxychlor (5% dust) also recommended for curculio.

HARLEQUIN BUG: Black brilliantly colored with red or yellow; about ⅜ inch long as adult. Nymphs (young) resemble this adult, but are wingless. Adults are active, strong, flying stink bugs, sucking juice from leaves and stems. Plants wilt, turn brown as if scalded. This insect likely to appear anywhere in South. Attacks cabbage, turnip, broccoli, Brussel sprouts, etc.

Old standby treatment recommended by USDA is 5% DDT dust or spray before formation of parts of plants that are to be eaten; 10% to 20% sabadilla powder or ¾% rotenone dust later on. Some "newer" insecticides are more recently approved.

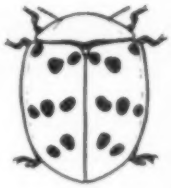
PICKLEWORM and MELON WORM are whitish to greenish worms up to ¾ inch long, with brownish heads. They attack foliage and buds. The worms feed in the fruit. You can usually see small holes on under side of melon or cucumber where they've penetrated. May be anywhere in South. Adult is moth, shown. Also attack squash, pumpkin, cantaloupe.

USDA recommendations include dusting with at least 50% of cryolite or ¾% of rotenone, beginning at first sign of worms in blossoms and buds. Worms must be killed before they enter fruits. Repeat once a week. (Some newer insecticides may also be used.)

Garden Pests

CLOVER BEETLE (White-fringed Beetle) also attacks several garden crops. It feeds on roots and tubers of potato, turnip, sweet corn, strawberry and cabbage and similar plants. There are several species. Adults are dark gray snout beetles, with a light band along side of body. About ½ inch long. Larvae (young) are yellowish white, curved, legless, up to ½ inch long.

Larvae must be killed in soil. Several good insecticides are available for killing such soil-inhabiting insects as this. USDA recommendations include using ¼ pound DDT or 1/8 pound chlordane per 1,000 square feet of soil surface before planting.



MEXICAN BEAN BEETLE adult is copper-colored, about ¼ inch long, with 16 black spots on its back. The larvae are orange to yellow, fuzzy or spiny, up to ⅓ inch long.

Both adults and larvae feed on pods and underside of leaves, stripping them to skeletons. Several insecticides are effective against this beetle. USDA recommendations include dust of ¾% rotenone or 4% malathion or 5% methoxychlor (observing precautions not to apply too near harvest time). (Don't use lead arsenate or paris green.)

WIREWORM (Click Beetle) may be almost anywhere, attacking almost any kind of vegetable or field crop. It severely damages such crops as beans, carrot, beets, celery, potato, sweet potato, onion, lettuce, turnip, sweet corn, etc.

Worm is yellow to white, with dark head and tail. Slender, ½ to 1½ inches long when fully grown, resembling a jointed wire.

To control, avoid planting vegetables in infested soils. For Eastern states, USDA recommendations include 2 pounds of 5% chlordane dust per 1,000 square feet of soil surface or using about ¾ cup of 40% chlordane wettable powder — working the insecticide thoroughly into the upper soil surface. (Some other insecticides are also recommended by some authorities.)

CABBAGEWORM (Cabbage Butterfly or Imported Cabbageworm) is velvety green, up to 1¼ inches long. Feeds on undersides of leaves of cabbage, turnip, broccoli, mustard, etc. USDA recommendations for control include spray or dust of rotenone (¾%) at first sign of worms. Or any time before formation of parts that are to be eaten, apply dust of 10% toxaphene or similar application, or 5% DDT dust or spray. Later on, use only rotenone, or rotenone plus pyrethrins, or malathion, USDA recommends. (Some other insecticides are recommended by some authorities.)

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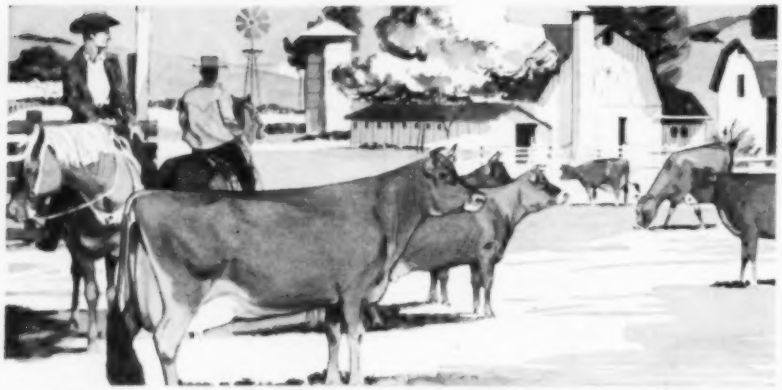

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What size rear tractor tire?

By George Richard

WHAT size rear tire should you mount on your tractor to get maximum horsepower and drawbar pull?

You can't go wrong following the specifications recommended by the tractor manufacturer's engineers. That's my recommendation, based on 25 years' experience, two years of it as manager of farm tire sales for one of the nation's leading manufacturers of farm tires.

There are times, however, when you may need to use oversize rear tires. For example, you may need maximum flotation when you're working in loose or sandy soil, and a deep bite by the tires is a definite handicap.

But if you oversize the tires the wrong way, you lose drawbar horsepower. That's because oversizing increases the static loaded radius. (That's the distance from center of axle to point of road contact when the tire is under maximum rated load and is inflated to maximum specified air pressure.) This increases your rolling radius—which, in turn, decreases your gear reduction. Thus, you lose drawbar pull if the motor horsepower is exceeded.

On many tractors—and particularly with row-crop type, when you're using integral mounted implements, of course—tires should *never* be oversized. That's because of the problems of clearance, speed, tool shank length, etc., with attachments engineered around one size tire for a specific tractor.

Even with the proper static-loaded radius, you can have plenty of trouble if you ignore air pressure. I've seen many rear tires operated with air pressure 20 to 50% less than the minimum required. This results in premature tire failure—uneven tread wear, sidewall radial cracks, pulled and broken cord body, carcass and rubber separation, rim slippage, torn valves and cord breakage directly under the cleats.

The problem for the rear tractor tire is directly opposite that of the truck tire. About 90% of the nation's farm tractors are underloaded and rear axle weight must be added for maximum performance. (On a tractor using a rear

tire with 12-inch cross sections or larger, 1,000 pounds or more per wheel should be added.) Three ways to do it:

1. Liquid Inflation—calcium chloride and water solution (but never more than 5 pounds calcium chloride to a gallon of water).

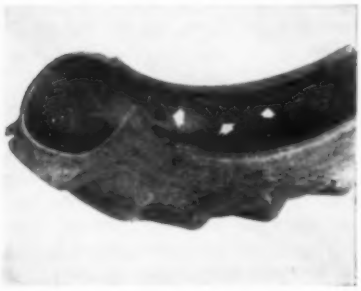
2. Add additional rear axle weight mechanically by load transfer, if your tractor is equipped to do so.

3. Add weight by attached wheel weights or rail weights.

Caution: After weighting rear axle, better check your loaded radius by measuring the distance from the center of the axle to the surface tire is resting on. For accurate measurement, tire should be on firm surface, where cleats can't penetrate.

A rear tractor tire that's properly inflated and properly weighted will have a lot less slippage. You'll have fewer premature tire failures, less fuel expense and more actual work done per day.

(Mr. Richard is manager of Farm Tire Sales, the B. F. Goodrich Co.)



When the proper inflation pressure is not maintained in a rear tractor tire, the sidewalls are often subject to severe folding action. This, for example, can happen when the furrow wheel tire wrinkles or buckles.

This sidewall cracking is due to underinflation and heavy drawbar pull. As the wheel rolled the flexible sides moved and eventually cracked.

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BLAIR, Dept. 30C8, Lynchburg, Virginia

That "soldier fly"

MAN'S attack on the common house fly has always been fierce—sometimes ingenious. The newest discovery is the "soldier fly," which does the killing job in the cage laying house.

For W. R. Winnett of Rio Hondo, Tex. soldier flies do their work as if by magic. House flies disappear, and there's very little odor in his cage laying house where the soldier fly is stationed. There are no peaks under the cages; instead there's a thin layer of oily, moist pulverized droppings. Winnett now cleans his laying house about every six months. But he puts back a shovel full of the dropping every 10 or 12 feet so he'll have some soldier fly larvae feeding on the dropping. They pulverize the manure and eat any common house fly larvae that hatch.

Kenneth Lockhart, of Hamilton, Tex. is having a similar experience. (See "Poultrygram," December, 1958.) Transplanting of the soldier fly live larvae seems to be working for him. But transplants to other houses from Winnett's cage laying house, in the Lower Rio Grande Valley, so far haven't worked out so well and apparently can't be relied upon as a practice for house fly control in that area.

Pull air through poultry litter

STATIONING your refrigerating unit so it'll pull the air through the litter in a poultry house has several advantages, reports USDA agricultural engineer Warren L. Roller.

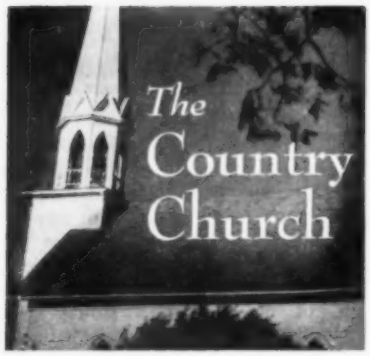
1. The litter acts as a filter.

2. The air is cleaner and can be passed over the heat exchangers without much need of washing or changing the filters. "Air coming from under the litter is less dusty than the air in most offices, and is clean enough to be passed over the heat exchangers indefinitely without further filtering," says Roller.

3. The litter is kept drier and the pen air contains less ammonia.

4. Air coming through the litter is 10 degrees cooler in hot weather.

Birds do not appear to be affected by this ventilating system and management problems are not aggravated by it, Roller adds.



by Walter R. Courtenay, D.D.

Optimism

NATURE teaches us many lessons, if we but pause to look, listen and learn. At this season she strives to teach us the wisdom of being optimistic.

Optimism means facing the future with a lighted mind—shades up, face up, heart up, hopes up! It means finding grounds for confidence where others see only signs of decay and defeat. It means rising above crippling fears and corroding memories.

Optimism denotes a healthy state of mind, and a wholesome outlook on life. It is the courage to try again. It is believing "that all things work together for good to those who love God," regardless of past experiences and present situations.

Nature, in spite of the headaches and tummyaches of the past: the summer's heat, the winter's chill, the weight of rain, the frown of drouth, goes on with her regular program of seedtime and harvest. No matter what the past says, nor what the future seems to say, nature bids the trees and fields "try again." She orders the twigs and branches to swell their buds, the seeds to send forth roots, the sprouts to reach for stars. Her failures last year never prevent her trying again. She believes that in every decade there are enough good years to compensate for the bad ones. Out of her optimism, her courage and faith, her patience and persistency, she creates "seed for the sower and bread for the eater," as a gracious God intended.

As buds form; as daffodils create gold mines on our lawns; as tulips kick off the blankets to begin another season's work, it behooves all who believe in God and His wise providence, to be as optimistic, and as courageous. Nature at this season of the year challenges us all to plan and to prepare for another seedtime, and another harvest, not just in orchards and fields, but in ourselves!

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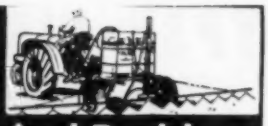
Send for samples and start earning the easiest money ever by simply showing them to people you know. No experience needed. See the **big difference** in Cardinal's big line of thrilling new cards for all occasions and Gift Items that sell fast the year 'round. Compare our low wholesale prices and liberal profits. Extra Cash Bonus, too. SEND NO MONEY. Get 2 outstanding Assortments on approval and Exclusive Stationery Samples FREE. $1.25 "Fruit Bowl" Set included with FREE Offer. Mail coupon!

SEND COUPON FOR FREE GIFT OFFER & SAMPLES

CARDINAL CRAFTSMEN, Dept. B-86
1400 State Avenue, Cincinnati 14, Ohio
Please send money-making kit of new Greeting Cards on approval. Include $1.25 "Fruit Bowl" Gift Set with FREE Offer.

NAME .....
ADDRESS .....
CITY ..... ZONE ..... STATE .....

NEW CENTURY SPRAYERS



Lick The Corrosive Chemical Problem

NYLON NOZZLES WON'T CORRODE!

WILL HANDLE ALL CHEMICALS, EVEN LIQUID FERTILIZER

PLASTIC-LINED TANKS WON'T RUST OUT!

You can get this extra protection on any 1959 CENTURY sprayer, either tractor or trailer-mounted. Write today for full information on boom, Jet (boomless), hand gun or high clearance self-propelled Century sprayers, and name of your local dealer.

6-row boom sprayer prices start at $147.95 f.o.b.

CENTURY ENGINEERING CORPORATION

DEPT. 145-A, CEDAR RAPIDS, IOWA

Special Offer All 5 Pkts. for Five—4c Stamps

Climbing Tomato

SAVE GARDEN SPACE

Enormous Fruits, perfect in form. Thick, solid and delicious flavor. Weigh from 1 to 3 lbs. each. Attain a height of 12 to 15 feet. Bears large quantities of very delicious fruits. Fine for slicing or for salads.

Yd. Long Beans

An excellent variety and a very interesting curiosity. Vines are rampant growers. Produce an enormous crop of long slender round pods, 2 to 4 ft. long, that are of excellent quality for snap beans. Are of very fine flavor.

Vine Peach

Ripe fruit in 80 days. Resemble oranges, color, shape and size. Grow on vines like melons. Beautiful, tempting appearance when canned. Make delicious preserves, sweet pickles. Fine for pies or jelly. Easy to grow.

New Climbing Cucumber

Vines climb readily on fences, poles, etc. saving valuable space in small gardens. One hill will keep a good sized family supplied all summer. Bear early and continue to produce fruit throughout the season. One plant will bear from forty to fifty fruits. Delicious flavor. To introduce our catalog of rare and unusual seeds we will mail

All 5 Pkts. for Only 5 — 4¢ Stamps.

To Introduce Our Spring Catalog. Garden Huckleberry is Included in Above Offer

E. J. MURVON SEED CO., Dept. 10, NORWALK, CONN.

WESTERN MERCHANDISE

- BOOTS
- SADDLERY EQUIPMENT
- HATS
- SADDLES
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LARGEST WESTERN STORE IN TEXAS

All Merchandise Fully Guaranteed

Silver Spur 810 MAIN P. O. BOX 1785-LP FORT WORTH, TEXAS

ONE-MAN SAWMILL LOW AS $50.00 DOWN

Take BELSAW Portable Sawmill right to the trees—turn out valuable lumber for local yards—do "custom sawing" for neighbors. BELSAW lasts a lifetime. No crew needed. Power with old auto engine. Beginners get excellent results. Send post card for Free Book 'How to Make Lumber.'

BELSAW MACHINERY CO
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315 Westport Rd., Kansas City 2, Mo.

SAVE BY MAIL —EARN MORE!

5% CURRENT RATE COMMERCIALLY INSURED SAVINGS

Send check or money order today. Free gifts with account. Accounts opened by 20th, earn from 1st.

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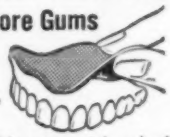
7934 Wisconsin Avenue, Bethesda, Md.
ASSETS OVER $1,400,000.00

Miracle Cushion Holds False Teeth Tight Eases Sore Gums



- Sticks to Denture
- No More Daily "Fixing"

Snug® brand Denture Cushions are a triumph of science, a sensational new ever-soft plastic re-lining that gets rid of the annoyance and fear of loose, badly fitting false teeth. Snug eases sore, irritated gums due to loose dentures. Helps prevent food particles from lodging under plates. Applied in minutes, makes wobbliest plates stay firmly in place to give perfect comfort. Eat anything! Talk, laugh—plates "stay put." Harmless to gums or dentures.

Snug re-liners can last from 2 to 4 months. Stay soft and pliable—do not harden and ruin plate. Peel right out when replacement is needed. No daily bother with adhesives. Get Snug Denture Cushions today! 2 liners for upper or lower plates $1.50. Money back if not satisfied. If your druggist cannot supply you, send $1.50 check or money order to Midland Pharmacal Corp., Dept. 5, 45 West 45th St., New York 36, N. Y.

Letters

(Continued from page 8)

The Story In Old Glory

• • • I read in one of your editorials a statement made by you where you said that if anyone knew of any one abusing the Soil Bank program that Mr. Benson would be happy to learn about it, and that you would see that it got into the proper hands. I assure you I know of such practices—a place that I used to live on. As soon as the Soil Bank came into existence some land that hadn't been in cultivation for 15 or 20 years was plowed a little and was put in Soil Bank. Furthermore, some pasture land was cleared and put in cotton and said place belongs to _____ and is managed by her husband _____ _____ rented to _____, all of Old Glory, Tex. Hoping you will keep your promise and see that this reaches the proper authorities . . .

Name withheld *Old Glory, Tex.*

Chitlins in Vodka Gravy

• • • Your fine editorials on the Supreme Court and on our legalized counterfeiters were read with much interest.

You may have seen and heard the TV on the White House dinner in honor of Supreme Court justices. Report is that Frankfurter and Warren were out on account of sickness. Two of the guests got sick, Mrs. Warren tore her dress and the dinner apparently was a drag. My supposition is that fricasseed chitlins in vodka gravy was the dish for the justices.

Irvin S. Cobb once asked why his boss whom he disliked was away from his desk. When told he was home sick Cobb remarked, "Nothing trivial I hope."

As I now understand our straw counterfeit money the record is that since the Roosevelt 40 cent theft, when we went from gold to counterfeit, we have, from inflation lost a fifth of the 60 cent dollar and now have one worth 48 cents. The joker is that any foreign country can still buy gold from us at the 1934 price of 35 dollars per ounce. Thus we protect the Wop and we take the loss as we can not legally own any gold.

It is a long and crooked road back to our Constitution.

J. W. Keller *Knoxville, Tenn.*

• • • We have been greatly impressed with Tom Anderson's editorials and consider him one of the great Americans of the present age.

Enclosed check, $1.00, is to cover cost of four 32 page "Straight Talk" booklets . . .

Earl V. Sprogue *Riverview, Fla.*

School Days

• • • I overheard a teacher tell another of a child sent home for a bath. The weather was hot and I've felt the same way. I made this little poem in 1926.

Emma Lou, a little girl the teacher sent home
With a note to the mother to use brush and comb.
She said to the mother, the child smells bad
I wish some clean clothes, your little daughter had.
The mother, a note sent the teacher next day,
And these are the words she had to say.
Emma Lou's been scrubbed and her hair's been brushed,
I'll wash her a dress when I'm not so rushed.
She needs to go to school, I always felt,
Just to be teached—not to be smelt.
C. W. Merck Birmingham, Ala.

Dear Bill Kennedy:

Just a note to tell you that I always enjoy your monthly "page" in FARM AND RANCH. Needless to say, I agree with most of your philosophy.

I was particularly interested in your story on PL 480 and how those funds were spent. I am sure that this is something that most people do not realize. I think you have done a real service in pointing out some of these facts.

E. T. York, Jr. Washington, D. C.

Cute Chicks

• • • I have read your magazine for years and have always marveled at your beautiful covers. Your January, 1959 cover was so real and life-like that I felt I must write and tell you how much I liked it. How did you ever do it? The baby chicks were so real I could just about feel their fluffy little bodies.

Mrs. Henry Runyon Campobello, S.C.

• • • I see where 311 Protestant and Jewish clergymen of Atlanta say we must comply with the "law of the land" to the point of "token" integration but massive integration is not "wise" and they are opposed to amalgamation! Has all the double talk we've listened to by politicians rubbed off on the preachers or are they as confused as they sound? Token integration is only the entering wedge and has from the beginning of history meant nothing but full integration and amalgamation and all the evils that go with it including a lowering of the moral standards of both races.

Mrs. I. D. Roberts Tulia, Tex.

Top Choice
in 266 of the leading
300 hog producing counties
RED BRAND®

Longer-lasting because Red Brand is Galvannealed*. This exclusive process fuses zinc deep into the wire for years of extra service.

Easier-to-erect Red Brand is your best bet for either permanent or temporary fence. Stretches tight over the roughest ground.

Stays tight under the hard knocks of any type of livestock. The best combination of all is Red Brand erected with sturdy, easy-to-set Red Top* Fence Posts and Galvannealed Red Brand Barbed Wire.

See for yourself why Red Brand is better:
This unretouched photograph shows ordinary galvanized fence and Galvannealed Red Brand eight years after installation.

KEYSTONE STEEL & WIRE COMPANY, Peoria 7, Illinois
Red Brand Fence · Red Brand Barbed Wire · Red Top Steel Posts · Keyline® Poultry Netting
Keystone Baler Wire · Nails · Staples · Non-Climbable Fence

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Send us your old and new address as soon as possible. Then we'll have your address changed so you won't miss an issue of FARM AND RANCH. Mail change of address to Circulation, FARM AND RANCH, Nashville, Tenn.

MAKE YOUR FORTUNE

Sell famous Spring-Step Cushion Shoes for all the family — men, women, children and babies! Earn big money daily plus Cash Bonus and Retirement Income with amazing 2-minute demonstration that sells on sight. Big repeat business. Full or spare time. America's Biggest Selection of Shoes for all the family. Free outfit given. No investment ever. Write today.

ORTHO-VENT SHOE CO., Inc.
5492 Brand Road, Salem, Va.

WAKE UP RARIN' TO GO
Without Nagging Backache

Now! You can get the fast relief you need from nagging backache, headache and muscular aches and pains that often cause restless nights and miserable tired-out feelings. When these discomforts come on with over-exertion or stress and strain—you want relief—want it fast! Another disturbance may be mild bladder irritation following wrong food and drink—often setting up a restless uncomfortable feeling.

For quick relief get Doan's Pills. They work fast in 3 separate ways: 1. by speedy pain-relieving action to ease torment of nagging backache, headaches, muscular aches and pains. 2. by their soothing effect on bladder irritation. 3. by their mild diuretic action tending to increase output of the 15 miles of kidney tubes.

Find out how quickly this 3-way medicine goes to work. Enjoy a good night's sleep and the same happy relief millions have for over 60 years. Ask for new, large size and save money. Get Doan's Pills today!

KEEP YOUR JOB BUT BOOST YOUR INCOME
Be a McNESS Man in Your Spare Time

This is Myron Pickenpaugh, 59-year-old part-time dealer from Ohio. Mr. Pickenpaugh operates a small farm along with his McNess Business and averages as much as $50 per day in sales.

Lots of full-time McNess Men—and Women—now making BIG MONEY started selling in their spare time. Soon the McNess Business was paying so well they quit their old jobs!

Build YOUR future security the same way! Start now—in your spare time.

IT'S EASY... NO EXPERIENCE NEEDED

McNess shows you how to sell—and you'll find hundreds of families eager to buy famous, time-tested McNess products. All you need is a car and a desire to make money! We supply capital to help get you started.

DON'T DELAY

Write for FREE McNess Dealer Books. The sooner you get started, the sooner you start cashing in! Get details NOW!

The McNESS CO., 459 Clark St., Freeport, Ill.

On the Farm... in the Home

LYE CAN GIVE YOU BETTER LIVING

Follow Red Devil's Sanitation Plan for more pleasant living—healthier, more profitable stock.

One of the first laws of living is proper sanitation. In the home, it means better health, pleasanter surroundings. A regularly followed sanitation plan in housing and care of poultry, swine and dairy herds results in lower mortality rates, higher egg and litter production, bigger *cash profits* to you. Red Devil Lycons Lye, for all 'round efficiency and economy, is unequalled by any other type of commercial disinfectant. Helps prevent and control disease, yet costs in solution less than 1¢ a gallon. Lighten labor, *save* and *make* money, get Red Devil Lye today.

RED DEVIL LYE

B. T. BABBITT, INC.
America's Largest Manufacturer of Lye

Use these other fine Babbitt products

BAB-O cleanser
GLIM liquid detergent • **CAMEO** copper cleaner
HEP oven cleaner spray
AIR-GENE room deodorant

TEST THEM IN YOUR FIELDS

Royster FSR FERTILIZERS

FOR BIGGER DOLLAR YIELDS

See page 19 for proof

STRAWBERRIES

Allen's 1959 Berry Book tells best varieties for home and market, and how to grow them. *Free copy. Write today.*

W. F. ALLEN COMPANY
42 Evergreen Ave., Salisbury, Maryland

BEGONIAS 4 BULBS 50¢

beautiful indoor-outdoor
Camellia Flowered Plants
Lowest price. Tuberous type, double blossoms, mixed colors. Easily grown in pots or beds. **Top size bulbs. Order today, postpaid.**

10 FOR $1.00
25 FOR $2.00

R. H. SHUMWAY, SEEDSMAN
Dept. 421 Rockford, Illinois

Fire Ants

(Continued from page 21)

of the State Game Management Section show convincing evidence to back Majure's statement — including pictures, field check reports, statements of evidence signed by prominent farmers and files of "official" opinions from wildlife specialists in Washington and the state's agricultural college.

On the other side is the state Department of Agriculture (handling the control program locally)—with support from other state executives (even the governor got into the act) and college, state and USDA entomologists —who have solicited help from county agents, teachers and others.

B. P. Livingston, of the Division of Plant Industries, Montgomery, gives their side of the story:

"The fire ant is a serious problem to farmers and a pest to everybody in the area. Farmers are well pleased with the control program. Those who have seen it work are coming in.

"We are killing some wildlife, yes. But not at any alarming rate—they repopulate to cover the losses."

The Facts, Ma'am

Since the Argentine fire ant crawled off a ship at a Gulf port over 20 years ago wild stories have been told and written about him, but here are some facts that are not mistaken:

- **Farmers can't abide** fire ants in their fields, building mounds to jam machines and break blades of mowers, combines, etc.—and pestering field hands.
- **Government**—and nobody else—can safely destroy the pest with one fell swoop. It's ridiculous to call the present program "eradication," when all they do is spot-treat blocks of land, offered up voluntarily. (Asked how he would get the objectors to join in, Livingston said "society will force them to do it"—but after many years society still hasn't forced *everybody* to take a bath on Saturday night.) Actually, they *had* to call it eradication to get Congress to kick in cash.
- **The poisons** being used (chlordane, heptachlor, dieldrin) for fire ants *will kill animals*—up to and including human beings—if used at high enough levels, or concentrations.
- **However, tolerance** levels have been established for the poisons. And many farmers know from experience that they can keep the fire ants under *control* in their fields (by spot-treating, mixing with fertilizers, etc.) *without* causing *serious* hurt to animal and bird life on their farms. One application lasts three to five years.

That's the best answer to date.

DIRECT TO YOU... EASY TERMS

Genuine Rockdale Monuments and Markers. **Full Price $14.95 and up.** Satisfaction or MONEY BACK. **We pay freight.** Compare our low prices. Write for **FREE** CATALOG.

AS LOW AS $4.52 DOWN

ROCKDALE MONUMENT CO.
Dept. 198, - JOLIET, ILLINOIS

ASTHMA

WRITE FOR NO-COST TRIAL OFFER!

IF YOU SUFFER FROM BRONCHIAL ASTHMA PAROXYSMS, from coughs, gasping wheezing . . . write quick for daring **No-Risk, No-Cost Trial Offer.** No matter if you consider your case "hopeless"—Write Today!

NACOR, 218-A State Life Bldg., Indianapolis 4, Ind.

Tortured 7 Years by ITCH-SCRATCHY Skin

"I nearly itched to death for 7½ years. Then I discovered a new wonder skin creme. Now I'm happy," writes D. Howard of Los Angeles

Here's blessed relief from the itching tortures and misery of rash, eczema and skin irritations with an amazing new scientific formula called LANACANE. This soothing, stainless medicated creme kills harmful bacteria germs while it softens and dissolves infected skin tissue. Stops scratching and so speeds healing. Don't suffer! Get LANACANE today.

Very Special! **GENUINE 1 CARAT IMPORTED ZIRCON**

SOLITAIRE

ONLY $2.95

Imagine getting this big, brilliant 1 carat GENUINE ZIRCON that imitates the flash of a real diamond! Flanked by 2 simulated side stones for added beauty and charm, this gorgeous ring, in 1/30 14k yellow gold mounting, is a real buy. Amaze your friends with this nearest thing to a real diamond.

SEND NO MONEY, just name and address with string or strip of paper. When ring arrives pay postman only $2.95, plus postage. If you prefer send cash or money order for $3.00, we pay all postage. Wear ring on our full MONEY BACK GUARANTEE! Z-54

NEW YORK MART, 7 Dey Street, New York 8, N. Y., Dept..

DO YOU SUFFER THE MISERIES OF MIDDLE-AGE STOMACH?

Doctor's discovery helps thousands get relief from gas pains and acid indigestion

If your stomach fills up with gas after meals—if you belch a lot and are plagued by spells of heartburn and acid indigestion—your trouble may be due to *Middle-Age Stomach*, a condition that hits so many people after forty.

To avoid the discomforts of *Middle-Age Stomach*, try an amazing formula developed by a prominent doctor and known as Dr. Pierce's Golden Medical Discovery. Unlike baking soda, antacid mints and other alkalizers which give only *temporary* relief, this remarkable medicine . . . when taken regularly . . . helps promote more normal stomach activity so that you get relief that *really lasts!*

Once your digestion is improved by Dr. Pierce's Golden Medical Discovery and your stomach is working right again, you can *eat what you like* without gas pains, heartburn or similar distress.

So why suffer from *Middle-Age Stomach?* Dr. Pierce's Golden Medical Discovery has helped so many people that over 38 million bottles have been sold. Get it at your druggist's in liquid or tablets. Your money back if not entirely satisfied.

The Peak of Quality for 30 Years

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VETERINARY BIOLOGICALS

Dependable Protection!

COLORADO brand Serums and Biologicals have a trouble-free record for over a quarter century in controlling livestock diseases. Produced under Government supervision.

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Nation Wide Distribution.

Free illustrated book gives full details.

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...thousands report.

Wonderful relief from years of suffering from miserable ear noises and poor hearing caused by catarrh of the head! That's what these folks (*many past 70*) reported after using our simple Elmo Palliative HOME TREATMENT. This may be the answer to your prayer. NOTHING TO WEAR. Here are SOME of the symptoms that may likely go with your catarrhal deafness and ear noises: Mucus dropping in throat. Head feels stopped up by mucus. Mucus in nose or throat every day. Hear—but don't understand words. Hear better on clear days—worse on rainy days, or with a cold. Ear noises like crickets, bells, whistles, clicking or escaping steam or others. If your condition is caused by catarrh of the head, you, too, may enjoy wonderful relief such as others have reported during our past 21 years. WRITE TODAY FOR PROOF OF RELIEF and 30 DAY TRIAL OFFER.

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Modern Protection Provides Great Comfort and Holding Security

An "eye-opening" revelation in sensible and comfortable reducible rupture protection may be yours for the asking, without cost or obligation. Full details of the new and different Rice Support will be sent you Free. Here's a Support that has brought joy and comfort to thousands—by releasing them from Trusses that bind and cut. Designed to securely hold a rupture up and in where it belongs and yet give freedom of body and genuine comfort. For full information—write today! WILLIAM S. RICE, Inc., DEPT. 42H, ADAMS, N. Y.

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Easy to use Viscose Applications may heal many old leg sores due to venous congestion of varicose veins, leg swelling or injuries. Send today for a FREE BOOK and NO-COST-FOR-THE-TRIAL-plan.

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Now Many Wear

FALSE TEETH

With More Comfort

FASTEETH, a pleasant alkaline (non-acid) powder, holds false teeth more firmly. To eat and talk in more comfort, just sprinkle a little FASTEETH on your plates. No gummy, gooey, pasty taste or feeling. Checks "plate odor" (denture breath). Get FASTEETH at drug counters everywhere.

What can you pay for feeder pigs?

FEEDING efficiency can make a $6.27 difference in the price you can afford to pay for a 40-pound feeder pig, estimate Morris White and J. H. Yeager, Alabama Experiment Station economists.

They figure that if you feed $1.30 corn to $18 hogs you can pay $14.15 for a 40-pound pig, if you are one of the very few feeders who get a pound of gain for 2.5 pounds of feed.

If you are about an average feeder and can get a pound of gain for 3 pounds of feed you'd better pay a little less, about $12.07. And if you are a poorer feeder than that you'd better not go above $7.88 if you want to break even at a selling weight of 220 pounds.

To determine how much you can pay for feeder pigs Yeager and White recommend this formula:

Value at market time *minus* price of corn *times* amount you'll feed *plus* other costs *equals* amount you can pay for pigs.

To determine the market value estimate the price and the weight at selling time.

A 220-pound market weight and an estimated selling price of $18 per hundred would give you a $39.60 market hog.

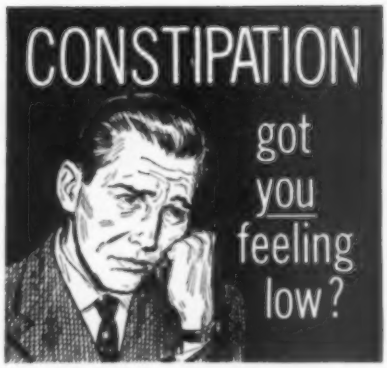
Say you're feeding $1.30 corn and you want to find the amount of corn it'll take to put on 180 pounds of gain—multiply that by three if you take 3 pounds of corn for a pound of gain. And that'll give you 540 pounds of corn or 9.64 bushels—a corn cost of $12.53.

When $15 (the estimated cost of protein supplement, labor, pasture, minerals, medicine, and overhead on equipment) is added your total production cost will be $27.53, leaving $12.07 as the amount you can pay for a 40-pound pig and break even.

On the other hand, that would be the maximum amount you could afford to have invested in a pig if you were raising him.

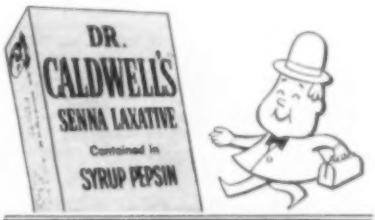
The same formula can be used to determine what you can afford to pay for any weight pig and still break even. You would need less feed, of course. If the conditions were the same as for the 40-pound pig, you could afford to pay $14.17 for a 70-pound pig, for example.

Of course, whether you've raised the corn and have it on hand to either sell or feed, and whether you figure you can increase its value by feeding it to hogs, may play a part in your decision.



Feel right overnight with DR. CALDWELL'S SENNA LAXATIVE

When temporary constipation occurs—take Dr. Caldwell's Senna Laxative contained in Syrup Pepsin for the fast, yet gentle, relief medical authorities agree is best for young and old alike. Contains no harsh drugs, won't cause griping, upset or embarrassing "call backs" like other laxatives often do. Get Dr. Caldwell's today!



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"KING OF THE EARLIES"
Big solid, scarlet fruit, disease resistant, heavy yielder. Ideal for table or canning. Send 5c for mailing 125 seed and copy of Seed and Nursery Catalog. 125 SEED **FREE**

CONDON BROS. SEEDSMEN . . . Now Combined With
R.H. SHUMWAY SEEDSMAN, Dept. 420, Rockford, ILL.

MEN PAST 40

Afflicted With Bladder Trouble, Pains in Back, Hips, Legs, Nervousness, Tiredness.

If you have these troubles, particularly bladder trouble, then your condition may be traced to Glandular Inflammation . . . a constitutional disease. Medicines that give temporary relief will not remove the cause of your trouble. Neglect of Glandular Inflammation often leads to premature old age and sometimes incurable malignancy.

The past few years men from over 1,000 communities have been successfully NON-SURGICALLY treated here at Excelsior Springs for Glandular Inflammation. They have found soothing relief and a new outlook in the future of life.

The Excelsior Medical Clinic, an institution devoted exclusively to the treatment of diseases peculiar to older men, has a NEW FREE BOOK that tells how Glandular Inflammation may be corrected by Proven NON-SURGICAL treatments. This FREE BOOK may prove of utmost importance in your life. Write today. EXCELSIOR MEDICAL CLINIC, Dept. B2640, Excelsior Springs, Mo.

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SEND NO MONEY Just name and address. Pay postman $1.98 plus Federal Tax, C.O.D. postal charges. Satisfaction guaranteed or return within 10 days for refund.

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for

Health's Sake

What causes insanity?

SINCE the dawn of history Man has asked this question, and for most forms of insanity he has not as yet found the answer.

Some cases of insanity are due to infections such as syphilis, and others are known to come from excessive hardening of those arteries that supply the brain.

For a large group of mentally sick people, however, we do not know the cause. Those include especially the people who undergo periods of extreme excitement or depression (manic-depressives) and those who suffer from schizophrenia, a common form of insanity that begins often in adolescence and is sometimes called dementia praecox.

For some 40 years the popular theory has been that the events and relationships of life, especially in the early years, produce these sicknesses. This theory gained support from those investigators who could find no abnormalities in the brains of such patients. It has been a fruitful attitude but has left many questions unanswered.

Recently there has been much excitement in the medical world about studies indicating that these mental disorders can be modified by changing the chemical nature of fluids in the body and that in such patients there apparently are abnormal substances even though the structures seem normal.

The dramatic effect in certain mental diseases brought about by the tranquilizers spurred these studies, for with these medicines human behavior was modified by changing the chemistry of the body fluids.

Recently the simple experiment of injecting blood plasma from mentally sick patients into normal rats produced striking results. The normal predictable behavior of the rats is drastically changed. They act as though they were insane when under the influence of this abnormal plasma but are not affected by plasma from healthy people.

Can mental sickness be cured by changing the chemistry of the body back to normal? This is not known. We are only on the threshold of bold new advances in the study of mental diseases. —*Robert M. Metcalfe, MD.*

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THE MORE YOU GROW

See page 19 for proof

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AMERICAN SEED CO., Dept. 926, Lancaster, Pa.

Hay pellets

(Continued from page 22)

"We'll use these wafers to make whole-ration pellets because they will be cheaper and easier to handle," says Webb, "but they could be stored and fed as a roughage pellet."

The machine that makes wafers is still in the experimental stage. Dixon Springs is one of three experiment stations trial-feeding wafers.

There are some indications the wafer is better than other roughage pellets for feeding to dairy cows. It doesn't increase their production, so its use seems to depend on its ease-of-handling advantages. In the future, you may be feeding both kinds of pellets—wafers to dairy cows and the small pellets to other livestock.

One of the research findings that has helped to sharpen interest in pellets came from the Midville Ga. Experiment Station. There research indicates that 2,500 pounds of beef can be produced from a single acre of pelleted Coastal Bermuda. Steers fed pelleted Coastal made gains 80% greater than other steers grazing Coastal. And what's more the steers on pelleted Coastal ate as much as other steers fed pelleted alfalfa. Their daily gains were almost identical.

Grazed Coastal Bermuda won't produce gains anywhere near those of the pellets, the test shows. Grazed steers gained only 1.59 pounds daily during the test. Ordinarily, Coastal Bermuda-grazed steers will gain from 1 to 1.25 pounds a day. (Daily gain on Coastal Bermuda pellets was 2.07 pounds.)

Finishing steers for market may be easier on pelleted roughage, too. O. R. Brooks, superintendent of the Midville Station, says the pellet-fed steers didn't do as well after they were changed to a finishing ration as they did before the switch was made.

Brooks is now trying a whole-ration pellet with another group of steers. He'll be comparing that type of pellet with hay pellets and separate feeding of concentrates.

"The grasses that cost most to pellet, like Coastal Bermuda or others with a high fiber content, seem to make the best roughage pellets," says Dr. A. E. Cullison, Georgia Experiment Station livestockman.

Whether you buy the pellets or make your own you'll need to store them in bins and feed them at least semi-automatically. "Feeding pellets from a bag offsets their ease of handling advantage," says Brooks.

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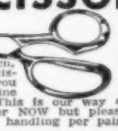

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(Bold Type and Illustrations)

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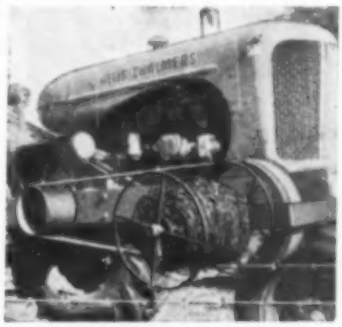

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Gentlemen—Please send me Free illustrated literature and complete information on your tractor powered Wire Winder.

Name _____

Address _____

SURPLUS STOCK SALE

of 2 yr. old, Everblooming

ROSE BUSHES

10 only $1.98 POST PAID

beautiful, hearty, field-grown roses!

Here's the colorful selection you get:

4-REDS 3-PINKS
1-TUTONE 1-WHITE 1-YELLOW

PLANTING TIME BARGAIN AWAITS YOU during our surplus stock sale. We have selected for you 10 of the most popular varieties of monthly blooming rose bushes available . . . varieties such as: American Beauty (red), President Hoover (tutone), Pink Radiance (pink), Eclipse (yellow), K. A. Victoria (white), and many many others . . . all 10 only $1.98, post paid.

FIRST COME, FIRST SERVED . . . because of this exceptionally low price, we must fill orders on this basis due to the limited supply available. HURRY! Place your order today. 10 for only $1.98. They will be sent post paid to your door. UPON ARRIVAL IF YOU'RE NOT COMPLETELY SATISFIED, RETURN BUSHES AND YOUR $1.98 WILL BE CHEERFULLY REFUNDED. Order as many as you like, just be sure to enclose $1.98 in check, cash, or money order for each 10 desired! Use handy order blank below:

FREE! by enclosing the names and addresses of 2 homeowners in your vicinity, you will receive 1 Free rose bush.

BULLARD ROSE FARM Dept. 16, Bullard, Texas

I am enclosing ☐ check, ☐ cash, ☐ money order in the amount of $_____ for _____ ROSE BUSHES. I understand that if I'm not completely satisfied upon arrival, I can return them and my money will be refunded.

NAME_____

ADDRESS_____

TOWN_____ ZONE_____ STATE_____

ONCE MORE! THIS OFFER REPEATED BY POPULAR DEMAND!

Field-Fresh! Everblooming Plants!

12 ROSE BUSHES only $2.95! POST PAID

GUARANTEED TO SATISFY OR MONEY REFUNDED!

NOW AT PLANTING TIME

we bring you an outstanding offer in 2 year old, field-grown EVERBLOOMING hybrid Rose Bushes ! ! ! We select for you 12 monthly blooming rose bushes from the following varieties: President Hoover (Tu-tone), Countess Vandel (Tu-tone), K. A. Victoria (White), Ami Quinard (Dark velvety red), Eclipse (Gorgeous yellow), Better Times (Glorious red), Red Radiance (Bright red), Talisman (Tu-tone), Crimson Glory (Velvety crimson), P. S. DuPont (golden yellow), Pink Radiance (Luscious pink), Poinsettia (Christmas red), Blaze (Climbing red), and many other famous varieties!

A RIOT OF COLOR!

MONTHLY BLOOMING! These fine roses will DAZZLE your garden with lovely blooms all Spring and Summer! Many roses in this group regularly retail at $1.00 each! This is the stock reduction sale you've been waiting for. DIRECT FROM THE NURSERY to YOU! SUPPLY LIMITED--ORDER TODAY FOR BEST SELECTION!

GUARANTEE

IF YOU ARE NOT MORE THAN PLEASED WITH THESE FINE ROSE BUSHES, RETURN THEM AT ONCE & YOUR MONEY WILL BE CHEERFULLY REFUNDED!

IMPORTANT

RECENTLY MANY MAJOR ROSE NURSERIES HAVE BEEN FORCED TO RAISE THEIR PRICES . . . BECAUSE OF AN INCREASE IN POSTAL RATES FOR ROSE BUSH DELIVERY. WE WILL TRY TO MAINTAIN THIS PRICE BUT THIS OFFER MAY BE WITHDRAWN IN 14 DAYS. MAIL THE ORDER COUPON TODAY!

FREE

COMPLETE PLANTING INSTRUCTIONS AND HANDY GUIDE ON HOW TO GROW BEAUTIFUL ROSES ENCLOSED WITH EACH ORDER.

ORDER COUPON

The Davie Rose Co. Box 1114D-1 Tyler, Texas

YES! I want to take advantage of this TERRIFIC ROSE OFFER! I understand that if I'm not more than pleased, I can return the plants at once and YOU WILL REFUND MY MONEY!

Please RUSH me by Return Mail ..... ROSE BUSHES! (Order only in multiples of 12 at 12.95 for each 12 roses.)

NAME.....

PLEASE PRINT

STREET.....

CITY..... STATE.....

WHEN WANTED.....

Check One: ☐ Payment Enclosed. Send My Roses POSTPAID! ☐ Send COD—I'll Pay Postage and COD Charges.

BARGAIN NURSERY STOCK SALE

Fresh Plants. Direct from the field. Flowering shrubs are 1-2 feet high. Blooming size for faster growing and easier planting.

FLOWERING SHRUBS	EACH	4 PLANTS FOR
Althea Double Pink, Purple, White, Red	$ .20	$ .60
Deutzia White	.15	.60
Mock Orange	.10	.30
Weigela Pink	.15	.50
Weigela Yellow	.20	.60
Weigela Variegated	.20	.60
Golden Bell	.15	.50
Red Osier Dogwood	.30	.90
Hydranges P. G.	.20	.60
Persian Lilac	.25	.80
Red Flowering Quince	.35	1.20
Rose of Sharon	.10	.30
Spirea V. H.	.15	.50
Red Bush Honey Suckle	.25	.80
FLOWERING TREES		
White Dogwood, 2 foot	.25	.80
Pink Flowering Dogwood, 2 foot	1.20	4.00
Mimosa Pink, 2-3 foot	.20	.60
Red Bud, 2-3 foot	.20	.60
Flowering Crab, 2-3 foot	.70	2.60
Red Flowering Peach, 2-3 foot	.60	2.20
White Flowering Peach, 2-3 foot	.60	2.20
Purple Leaf Plum, 2-3 foot	.60	2.20
Tulip Tree, 2-3 foot	.25	.80
Golden Rain Tree, 1-2 foot	.80	3.00
Maiden Hair Tree, 1-2 foot	1.00	3.20
May Day Tree, 2-3 foot	1.00	3.20
European Bird Cherry, 1-2 foot	1.00	3.20
SHADE TREES		
Chinese Elm, 2-3 foot	.30	1.00
Silver Maple, 2-3 foot	.25	.80
Lombardy Poplar, 2-3 foot	.20	.60
Weeping Willow, 2-3 foot	.30	1.00
Fish Bait Tree (Catalpa), 2-3 foot	.20	.60
NUT TREES		
Black Walnut, 2-3 foot	.50	1.80
Chinese Chestnut, 1-2 foot	1.00	3.80
Butter Nut, 2-3 foot	.50	1.80
EVERGREENS		
Juniperus Virginian, 1-2 foot	.30	1.00
Short Leaf Pine, 1-2 foot	.30	1.00
Nandina (Red Berry Type), 1-2 ft.	.50	1.80
Christmas Fern	.20	.60
VINES & HEDGE PLANTS		
Vinca Minor	.10	.30
Halls Honey Suckle	.10	.30
Red Scarlet Honey Suckle	.40	1.40
Wisteria Purple	.40	1.40

California Privet, 1-2 foot, 50 plants $3.00
South Privet, 1-2 foot, 50 plants $1.00.

These plants will be nice. Guaranteed to reach you in good living condition. Send 35c for Postage and packing.

NOTICE: 2 FREE FLOWERING SHRUBS your choice with every $3.00 order. RUSH YOUR ORDER TO

PINE HILL NURSERY
RT. 6 McMINNVILLE, TENN.

PEACH APPLE TREES LOW AS 20c
Cherries, pears, plums, nut trees, strawberries, blueberries, dwarf fruit trees. Grapevines 10¢. Shrubs, evergreens, shade trees, roses 25¢ up. Quality stock can't be sold lower. Write for FREE color catalog and $2.00 FREE bonus information.
Tennessee Nursery Co.
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SENSATIONAL DISCOVERY—Exclusive Starkrimson Delicious Apple! New spur-type tree bears years earlier. Also Stark Dwarf Fruit Trees for giant-size Apples, Peaches, Pears . . . quicker-bearing patented Stark-Burbank Standard Fruit Trees, Roses, Landscaping Shrubs, etc. Big Colorphoto Catalog FREE. Stark Bro's, Dept. 30029, Louisiana, Missouri.

WE SELL on the Installment Plan. Best varieties Peach and Apple Trees, low as 20¢; Grapevines 8¢; Shrubs 15¢; Evergreens 20¢; Berries and plants. Catalog free. BENTON COUNTY NURSERY, Box 544, Rogers, Arkansas.

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SCUPPERNONG, MUSCADINE, Delicious, Productive, profitable. Leading varieties. Well rooted. Six $5.00. Circular free. Whatley Nursery, Helena, Georgia.

THE GREAT SENSATION PECAN TREES—Or disease resistant. Nuts 2 and half inches long, 4 inches around. Best for COMMERCIAL and SHADE. Will bring in large INCOMES. Bear in 2 years. C. E. Tollison, Laurens, S.C.

PEACH, APPLE TREES, LOW AS 20c. Cherries, pears, plums, nut trees, strawberries, blueberries, dwarf fruit trees. Grapevines 10c. Shrubs, evergreens, shade trees, roses 25c up. Quality stock can't be sold lower. Write for Free color catalog and $2.00 Free bonus information. TENNESSEE NURSERY CO., Box 137, Cleveland, Tenn.

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BAMBOO: Three Kinds. Featherleaf, Clump, Solid Cane, Clump. Giant, Running, start 75c; 10, $7.00. Stovall Nursery, Leakesville, Mississippi.

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100 Gladiolus Bulbs

Only **$1.98** IMPORTED HOLLAND

Imported Holland Gladiolus, Rainbow mix reds, yellows, purples, whites, crimson, violet, multicolors as available. Med. size blooming varieties 2½"-3" circumference, ready for 2nd year blooms on spikes 3-4 ft. tall. Any bulb not flowering replaced free. 100 Gladi $1.98, 12 Imported Tritonia Bulbs free of extra cost. 200 Gladi, 24 Tritonia $3.75. C.O.D. postage extra. Cash orders add 35c shipped postpaid.

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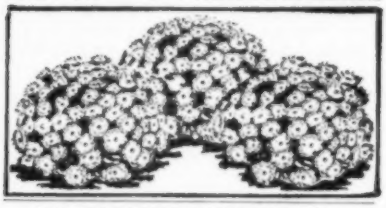

10 CUSHION MUMS, $1

Order now, pay this spring when delivered. Each normally develops bushel basket size covered with myriads of dazzling 1 to 2 inch flowers, a giant ball of color. Assorted colors as available. Chrysanthemum root division from nursery crown stock may be shipped with roof top growth started. 10 for $1 (50 for $2.50) plus C.O.D. postage. Cash orders add 35c—we ship postpaid. Bloom next fall or replaced free.

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STRAWBERRIES are ideal family income projects. One-tenth acre yields 650-900 quarts. Allen's 1959 Berry Book tells the best varieties and How to Grow Them. Free Copy. Write today. W. F. Allen Company, 42 Pine Street, Salisbury, Maryland.

STRAWBERRY PLANTS—Grown from virus-free planting stock. Certified Blakemore, Tennessee Beauty, Dunlap, Klondike, Armore, Pocahontas, Dixieland and Florida 90. 100-$2.00; 200-$3.00; 500-$6.50; 1000-$12.00. Everbearing—Gem, Superfection and Streamliner 25-$1.00; 100-$3.00; 200-$5.00. The famous Ozark Beauty everbearing 25-$2.50; 100-$8.50; 25 Blackberries or dewberries $2.00; 25 Thornless Boysenberries $2.00; 25 Cumberland (black) or Latham (red) raspberries $3.00; 100-$10.00. SEPTEMBER—New everbearing red raspberry 12-$2.00; 25-$3.50; 100-$12.00; 12 Concord or Fredonia grapes 2 yr. $2.00; 12 Victoria rhubarb $2.00. EVERBEARING TREE TYPE BLACKBERRY 2 yr. bearing size 3-$2.75; 6-$5.00; 25-$17.50. Everything postpaid cash with order or sent COD postage extra. Price list free. Ideal Fruit Farm, Stilwell, Okla.

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NEW VIRUS-FREE STRAWBERRY PLANTS available in all leading varieties. Complete line of nursery stock. Write for free color catalog. TENNESSEE NURSERY COMPANY, Box 25, Cleveland, Tennessee.

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2 Bushels of Ripe TOMATOES from ONE VINE

One packet of this sensational Tomato grown right in your own garden, will produce enough fruit for the average family.

***New* BURGESS CLIMBING TRIP-L-CROP**

TOMATO grows 10 to 18 ft. high on trellis or side of building. Huge, meaty, delicious fruits, weigh up to 2 lbs. Wonderful flavor. Awarded Agricultural Research Foundation "Seal of Approval".

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SWEET ONION PLANT. Price list, write TEXAS PLANT COMPANY, FARMERSVILLE, TEXAS.

PLANT FOLDER FREE: Cabbage and Onions ready. Troup Plant Farm, Troup, Texas.

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GINSENG, GOLDENSEAL. Roots bring up to $14 pound. Full information. F. R. Collins, Viola, Iowa.

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SENSATIONAL HYBRID TOMATOES. America's finest. Wonder Boy—Burpee's Big Boy—Rutgers—Ponderosa. Packets 50c—$1.00. List free. Wildwood Seeds, Box 891, Kingsport, Tennessee.

15 PACKETS OF SEEDS. $1.10 Bargain. Better Gardens, Export 9, Pennsylvania.

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CERTIFIED REX COTTON SEED. Proven New Variety of Cotton developed by the Arkansas Experiment Station. High yielder, Resistant to Bacterial Blight and Fusarium Wilt Diseases and Storm Losses. Early Maturity, Big Boll, Good Staple, High Gin Turn out. Matures ten days earlier than leading varieties of Cotton. Write for literature and prices. Sack to car loads. LAMBERT SEED COMPANY, NEWPORT, ARKANSAS.

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READ *this amazingly* NEW *rose offer!*

2 yr. old hybrid tea or florabundas hand chosen from the field.

10 ROSE BUSHES

ONLY **$3.98** POST PAID • 20-$7 30-$10

Imagine! Getting 10 Rose Bushes of the finest quality for only $3.98 postpaid to your door. These Everblooming rose bushes will be a variety of your choice . . . and usually retail for $1.00 or more each. BUT for an introductory offer we are prepared to give you your selection of 10 from the list below for only $3.98 postpaid.

Shipped field-fresh! Each rose bush is fresh and pruned for planting . . . and will be shipped direct from the nursery to you at the best planting time in your area if not otherwise specified.

Satisfaction or money back! If you are not satisfied with these beautiful rose bushes, simply return immediately and your money will be cheerfully refunded. Send cash, check or money order. ($3.98 for 10, $7.00 for 20, $10.00 for 30), and your order will be rushed to your door postpaid. Hurry! Order Now! Supply Limited!

☆ FREE! ROSE BUSH!

Your order will include a CLIMBING RED BLAZE absolutely FREE if you send names and addresses of two homeowners in your neighborhood!

RUSH COUPON TODAY!

MAKE YOUR OWN SELECTION FROM THESE WORLD FAMOUS VARIETIES

*Roses marked with asterisk are former patents.

REDS	PINKS	TWO-TONES	YELLOW
___ Poinsettia*	___ Picture*	___ Countess Vandal*	___ Eclipse*
___ Red Radiance	___ The Doctor	___ President Hoover	___ Luxembourg
___ Rouge Mallerin	___ Esther McFarland	___ Talisman	___ Golden Charm
___ Red American Beauty	___ Pink Radiance		

WHITE	CLIMBERS	FLORIBUNDAS	POLYANTHAS
___ K. A. Victoria	___ Cl. Talisman	___ Floradora*	___ Ideal
___ White American Beauty	___ Cl. White American Beauty	___ Baby Chateau	___ Golden Salmon

FLINT ROSE NURSERIES Dept. F-1,
P. O. Box 83, Tyler, Texas

Please ship me on date specified the roses I've selected above, a total of _____ bushes.

Enclosed is my Check ☐, Cash ☐, Money Order ☐, in the amount of $_____

I understand that if I'm not satisfied, I can return the bushes immediately and my money will be refunded!

NAME _____
ADDRESS _____
CITY _____ STATE _____ ZONE _____
SHIP TO ME _____ (date or planting time)

Due to LIMITED SUPPLY, this offer is on a FIRST COME, FIRST SERVE basis!

COTTON SEED

PLANT HALF AND HALF
The
WONDER COTTON

As high as three bales per acre and fifty percent lint, this early big boll cotton makes when all others fail. Improved long staple, excellent stormproof features, pulls good, picks good and strips good. Big yields in dry years on any kind of soil. Order these high bred, culled and treated seed from me now for only $11.00 per 3-bushel sack and I pay all the freight.

Write today for free information and proof of my claims.

LESTER HAILE

Box 37 Whitewright, Texas

WHY LOOK ELSEWHERE when you can get these great varieties—Half and Half, Lankart, Mebane and Qualla carefully graded, culled and treated at rock bottom prices, $9.95 sack three bushels. Freight paid. Get the facts. Write today for free literature. J. R. Oliver, Farmer Rt. 2, Whitewright, Texas.

PEDIGREED—MEBANE—ROWDEN—LANKART 57. Good germination, best staple, turnout, yields. Freight paid; free literature. Mabone Bros., Wills Point, Texas.

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SAWDUST MAKES GOOD FERTILIZER

You can apply 15 tons of sawdust per acre to build rich top-soil rapidly, and greatly increase nitrogen level, if you use the ActivO process. Cheaper, more permanent, and better soil condition than with chemical fertilizer. No compost-heap making. Apply now; anytime. Rush $6.95 for postpaid ¼ acre trial ActivO and free bulletin, "How to Turn Sawdust Into Gold."

THE ACTIVO PROCESS, Bridgeton 28, Ind.

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RAISE GOURDS, fascinating, easy to grow, Commercially profitable. Free details. Joycrafts, Box 186, Covina, Calif.

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PRIDE OF GEORGIA, the sweetest, tenderest watermelon known. Large, ripe, delicious melons in 60 days. 200 seeds $1.00, packet 25c. Jim Carson, Griffin 3, Georgia.

WATERMELON SEED: 83 varieties grown exclusively for seed, Spergon and Arasan treated; Certified Blue Ribbon Winners. Beautiful catalog free with actual photographs. WILLHITE MELON SEED FARMS, POOLVILLE and WEATHERFORD, TEXAS.

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KILL BRUSH at low cost with amazing R-H BRUSH KILL'. Will not injure grasses, grains, cattle or other animals. See your dealer or write Reasor-Hill Corporation, Box 36A, Jacksonville, Arkansas.

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"KILL WORTHLESS TREES." New method used by United States Forrest Service, Farmers, Lumber Companies, and Ranchers. Write for free booklet. Reuel Little Tree Injection Co., Madill, Oklahoma.

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PIPE FREE! Ready—mixed smoking or Redleaf chewing 6 pounds $3.00. Postpaid. Fred Stoker, Dresden, Tennessee.

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NEW SILVER X LINK LAYER

NEW TRUE LINES®

Heaviest-laying brown-egg hen yet! Pedigreed bloodline males and females. Nearly all-white. Yellow skin, legs. Hardy. 6 lb. hens. Lay thru worst heat and cold.

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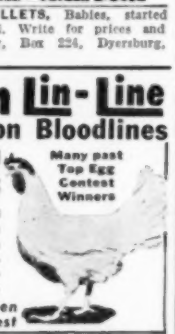
Lindstrom Lin-Line
Hi-Egg Champion Bloodlines
35 years producing High Egg Profit Breed Chicks



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Champion White Leghorn pen no. 32 in 1949 Arizona test

Asstd Royal Matings		Asstd Royal Matings
St. Run $7.45 per 100	Pullets $12.95 per 100	Roosting Age PULLETS $31.90 per 100

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FREE! 10 MONEY MAKING Chicks with Every 100. No additional cost. Pullorum clean. 28 varieties. Many matings R.O.P. Sired. Low as $7.95—100. Write Healthy Hatcheries, Mt. Healthy, Ohio.

802 KING SIZE WHITE LEGHORNS

Allen—for 20 years producer of High Egg Production Chicks

Brown Leghorns
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Write for big FREE catalog.

St. Run $7.40 per 100
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Surplus Chicks: May be Cornish Cross, Reds, Rocks, New Hamps, Black Australorps, Del-Hamps, Crosses and Leghorns. All good, strong, healthy chicks—pullets, cockerels and un-sexed which we mix together and ship you for just $4.20 per 100, F.O.B. No sex or breed guarantee but guaranteed mixed. Shipping Jan. to June 15th.

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BABY CHICKS BARGAINS: $5.75—100 COD. Rocks, Reds, Crosses, Heavy Assorted. Price at Hatchery. Surplus Chick Co., Milesburg 6, Pa.

BABY CHICKS

Rice's GIANT TYPE Lopped Comb WHITE LEGHORNS

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White Rocks, Legshires, New Hampshires, Brown Leghorns, Austra-Whites
701 White Egg Layers
U. S. Approved—asst'd. fob.

Straight Run	Pullets	Jr. Roosting Age Pullets
$8.95 per 100	$14.85 per 100	$32.90 per 100

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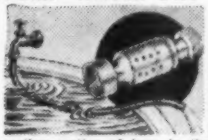

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FEBRUARY 21ST 1959, 1:00 P.M. E.S.T.
AMERICAN, NORWEGIAN & SWEDISH BLOODLINES
275 HEAD, 52 BRED SOWS, 20 BRED GILTS
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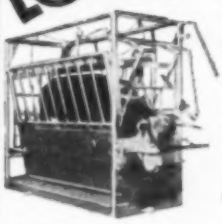

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Straight Talk

by Dave Anderson

RUSSIA may beat us to the moon with a Sputnik, but I bet we'll get there first with Foreign Aid. When I wrote that how could I know that just a little more than a year later we would find Lunik ticking around not the moon but the sun? In line with our editorial policy, here's the latest information on the sun. It belongs to the U.N. of the earth and nine other planets: Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune, Pluto, and Russia's Lunik. The moon is the only satellite which revolves around the earth. Just imagine the sun as a fish bowl. You could put 1,300,000 earths inside it. Yet millions of suns are larger and brighter than our sun. The sun is a very hot ball of gas which supplies more heat than light. Like Senator Humphrey. Scientists think that hydrogen is transformed into helium in the sun's interior, releasing atomic energy in the process.

The sun is in the Milky Way milkshed. This is a co-op containing our universe and is just one of limitless millions of so-called galaxies which continue forever. Like Mrs. Roosevelt.

The sun's light crosses the 93,000,000 miles to the earth in 8⅓ minutes. In other words, if the sun's light could be switched off, after 8⅓ minutes we'd be in darkness (like the Russian people). The twinkle twinkle from the nearest star takes four years to get to us. Many primitive peoples have regarded the sun as a god. How appropriate that the godless Russians have now paid homage to deity.

Stay Strong, Stay Solvent, Stay Free

Surely if we can learn to think in terms of this kind of arithmetic we'll realize that our $80 billion budget is really nothing. Little things like bankruptcy and dictatorship are insignificant in the cosmic scheme, according to some of our outstanding eggheads.

The orderly system of the universe, from the smallest particles of matter to the largest star systems, is composed of the same basic elements and governed by the same laws. The Supreme Being, like the Supreme Court, has made the laws to which the atoms conform, with all deliberate speed. An atom, however, never has to ask "what's the law today?"

It has been suggested that the moon now be invited to join the U.N. If it does, reckon we could move the U.N. headquarters there? Isn't that silly? Nobody except Americans would house, promote, pay for, and obey a godless debating society working to destroy the way of life of the host nation.

In this battle to win the minds of outer-spacemen America will need some choice plums with which to bolster their willingness to receive our aid. As a token of our friendship for the moonmen, couldn't we give 'em Puerto Rico?

Truman, Marshall, Acheson, Walter Lippman, Drew Pearson, Adlai Stevenson, Rockefeller, Reuther, Mrs. Roosevelt, Sens. Humphrey, Morse, Kefauver, Symington, Kennedy, Lehman and our other great one-worlders, Socialists, and do-gooders are now frantically trying to awaken the people to the communist menace. What is more natural than that they should lead us back from the precipice—they led us to it. They and their kind deliberately got us into the wrong war at the wrong time with the wrong enemy. The Russian monster is their frankenstein. Their answer as always is unlimited spending—prosperity at any price. And now that they've discovered Communism is the enemy, the war slogan of many "liberals" has strangely become peace at any price. Times change. Principles don't. Almost 200 years ago, when our nation was being taxed and persecuted beyond endurance and some other faint-hearted Americans were crying peace at any price, a Virginia patriot named Patrick Henry arose and said:

"They tell us, Sir, that we are weak—unable to cope with so formidable an adversary. But when shall we be stronger? Will it be the next week, or the next year? Will it be when we are totally disarmed (bankrupt from trying to buy friends), and when a British guard (communist agent) shall be stationed in every house? Shall we gather strength by irresolution and inaction? Shall we acquire the means of effectual resistance by lying supinely on our backs and hugging the elusive phantom of hope, until our enemies shall have bound us hand and foot? Sir, we are not weak, if we make a proper use of those means which the God of nature hath placed in our power.

"Three (175) millions of people, armed in the holy cause of liberty, and in such a country as that which we possess, are invincible by any force which our enemy can send against us. Besides, Sir, we shall not fight our battles alone. There is a just God who presides over the destinies of nations, and who shall raise up friends (not bought, fair-weather friends) to fight our battles for us. The battle, Sir, is not to the strong alone; it is to the vigilant, the active, the brave. Besides, Sir, we have not election. If we were base enough to desire it, it is now too late to retire from the contest. There is no retreat but in submission and slavery! Our chains are forged! Their clanking may be heard on the plains of Boston (Berlin, Iraq, Quemoy). The war is inevitable; and let it come! I repeat, Sir, let it come!

"It is in vain, Sir, to extenuate the matter. Gentlemen may cry, Peace, Peace!—but there is no peace. The war is actually begun! The next gale that sweeps from the North (Alaska) will bring to our ears the clash of resounding arms! Our brethren are already in the field! Why stand we here idle? What is it that gentlemen wish? What would they have? Is life so dear, or peace so sweet, as to be purchased at the price of chains and slavery? Forbid it, Almighty God! I know not what course others may take; but as for me, give me liberty or give me death!"

Freedom: Worth Having? Worth Fighting For

Pres. Theodore Roosevelt said, "The things that will destroy America are prosperity-at-any-price; safety-first instead of duty-first; the love of soft living and the get-rich-quick theory of life."

The principles so brilliantly stated by Patrick Henry and Teddy Roosevelt are as true in the Atom Age as they ever were.

Is the way to whip totalitarianism to embrace it? Who wants the moon, at the price of freedom?

New Straight-Line Refrigerator-Freezer with Swing-Out Shelves has automatic defrosting in the refrigerator, big zero-degree Roll-Out Freezer, Magnetic Safety Door, Swing-Out Vegetable Bins, Mix-or-Match colors.

BIG, NEW SHELVES SWING ALL THE WAY OUT

in today's new General Electric Refrigerator-Freezers

NEW General Electric Swing-Out Shelves in the Automatic Defrost Refrigerator bring all of your food right out to you!

A flick of your finger—and the whole shelf swings out. Everything is in full view—within easy reach. You don't have to fumble to get at anything.

And you never have to worry about "forgotten" foods at the back of any shelf.

When you need more—or less—space between shelves you simply press a button and lift—or lower—a shelf. To clean the inside of the refrigerator—or the shelves—you just lift the shelves right out of the refrigerator.

Find out how handy these G-E Swing-Out Shelves are. See your General Electric dealer and try them for yourself. And ask about the easy-pay terms and trade-in allowance.

Household Refrigerator Department,
General Electric Company,
Appliance Park, Louisville 1, Kentucky.

Progress Is Our Most Important Product

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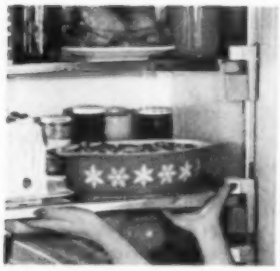

Easy shelf adjustment. You can raise or lower shelves to give you the exact shelf spacing you want. And, you can rearrange your shelf load so that heavy items are on the bottom shelf for convenience.

Shelves are so sturdy . . . they will easily hold a full shelf-load of milk bottles—25 quarts. In fact, they're tested to support more than 150 pounds of food—more than you'll ever need to put on them.

Fits flush into corner with no wasted space at side for door clearance. No coils on back . . . no dirt-collecting waste space. Front lines up evenly with cabinets—does not stick out into kitchen.

Straight-Line Design Refrigerator-Freezer with Swing-Out Shelves available in 3 sizes: in the 15-cubic-foot size, shown above, and in 13- and 12-cubic-foot models; all with Swing-Out Vegetable Bins.

Have a real cigarette– have a CAMEL

Nobody beats Camel to the draw for rich tobacco flavor and easygoing mildness. "My kind of cigarette–no fads or fancy stuff," says "Lawman" star John Russell. Co-star Peter Brown goes along: "Tastes good, smokes mild." Today more people smoke Camels than any other brand. The best tobacco makes the best smoke.

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